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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	11/154,805
Filing Date	October 17, 2001
First Named Inventor	Oron JACOBY-ZEEVI
Art Unit	1636
Examiner Name	unknown
Attorney Docket Number	29714

Sheet 1 of 19

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Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Country Code ² Number ³ Kind Code ⁴ (if known)				
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Examiner Signature				Date Considered		

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 10 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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		First Named Inventor	Oron JACOBY- ZEEVI
		Group Art Unit	1636
		Examiner Name	unknown
		Attorney Docket Number	29716
Sheet	3	Of	19
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Che No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
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Signature		Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/785,116
				Filing Date	February 25, 2004
				First Named Inventor	PECKER Iris et al
				Art Unit	1652
				Examiner Name	
				Attorney Docket Number	27674
Sheet				of	
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,362,041	08-8-1994	Fuks et al.	
	2	US-5,399,351	03-21-1995	Leshchiner et al	
	3	US-5,550,116	08-27-1996	Lormeau et al.	
	4	US-5,667,501	09-16-1997	Fowler et al.	
	5	US-5,739,115	04-14-1998	Fugedi et al.	
	6	US-6,177,545	01-13-2001	Pecker et al.	
	7	US-6,348,344	02-19-2002	Ayal-Hershkovitz et al.	
	8	US-4,946,778	08-8-1990	Ladner et al.	
	9	US-5,997,863	07-8-1999	Zimmermann et al.	
	10	US-6,242,238	05-5-2001	Freeman et al.	
	11	US-5,688,679	11-18-1997	Powell	
	12	US-6,387,643	05-14-2002	Heinrikson et al.	
	13	US-6,423,312	07-23-2002	Yacoby-Zeevi	
	14	US-6,531,129	01-1-2003	Pecker et al.	
	15	US-4,455,296	06-19-1984	Hansen et al.	
	16	US-5,571,506	05-5-1996	Regan et al.	
	17	US-5,917,830	06-29-1999	Chen et al.	
	18	US-5,859,660	01-12-1999	Perkins et al.	
	19	US-5,600,366	04-4-1997	Schulman	
	20	US-6,020,931	01-1-2000	Bilbrey et al.	
	21	US-5,968,822	10-19-1999	Pecker et al.	
	22	US-6,153,187	11-28-2000	Yacoby-Zeevi	
	23	US-6,664,105	12-6-2003	Pecker et al.	
	24	US-5,145,679	06-8-1992	Hanson	
	25	US-5,736,137	07-7-1998	Anderson et al.	
	26	US-5,194,596	03-16-1993	Tischer et al.	
	27	US-5,350,836	09-27-1994	Kopchick et al.	
	28	US-6,562,950	05-13-2003	Peretz et al.	
	29	US-6,699,672	02-2-2004	Pecker et al.	
	30	US-5,580,862	03-3-1996	Rosen et al.	
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	32	US-2002/0102560	01-1-2002	Pecker et al.	
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	37	US-4,683,195	07-28-1987	Mullis et al.	
	38	US-5,602,095	02-11-1997	Pastan et al.	
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	41	US-5,129,877	07-14-1992	Gallo et al.	
	42	US-5,206,223	04-27-1993	Vlodavsky et al	
	43	US-5,332,812	07-26-1994	Nicolson et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/785,116	
		Filing Date	February 25, 2004	
		First Named Inventor	PECKER [et al]	
		Group Art Unit	1652	
		Examiner Name		
Sheet		Of	Attorney Docket Number	27674
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	44	Hulett et al. "Cloning of Mammalian Heparanase, An Important Enzyme in Tumor Invasion and Metastasis", Nature Medicine, 5(7): 803-809, 1999.		
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			First Named Inventor		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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		Vlodavsky et al. "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", Nature Medicine, 5(7): 793-802, 1999.			
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		Gitay-Goren et al. "The Binding of Vascular Endothelial Growth Factor to Its Receptors Is Dependent on Cell Surface-Associated Heparin-Like Molecules", Journal of Biological Chemistry, 267(9): 6093-6098, 1992.			
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		Toyoshima et al. "Human Heparanase: Purification, Characterization, Cloning, and Expression", J. of Biolog. Chemistry, 274(34): 24153-24160, 1999			
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/781,758
				Filing Date	January 14, 2003
				First Named Inventor	ILAN Netn et al
				Art Unit	
				Examiner Name	
Sheet		of	18	Attorney Docket Number	27525
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,177,345	01-13-2001	Pecker et al.	
	2	US-6,348,344	02-19-2002	Ayal-Hershkovitz et al	
	3	US-4,946,778	08-8-1990	Ladner et al.	
	4	US-5,997,863	07-7-1999	Zimmermann et al.	
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	7	US-6,387,643	05-14-2002	Heinrikson et al.	
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	9	US-6,531,129	01-1-2003	Pecker et al.	
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	14	US-5,600,366	04-4-1997	Schulman	
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	16	US-5,968,822	10-19-1999	Pecker et al.	
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	21	US-5,194,596	03-16-1993	Tischer et al.	
	22	US-5,350,836	09-27-1994	Kopchick et al.	
	23	US-6,562,950	05-13-2003	Peretz et al.	
	24	US-6,699,672	02-2-2004	Pecker et al.	
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	26	US-5,474,983	12-12-1995	Kuna et al.	
	27	US-2002/0102560	01-1-2002	Pecker et al.	
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	29	US-4,882,318	01-1-1989	Vlodavsky et al.	
	30	US-5,129,871	01-1-1992	Gallo et al.	
	31	US-5,206,223	04-27-1993	Vlodavsky et al.	
	32	US-5,332,812	07-26-1994	Nicolson et al.	
	33	US-5,262,641	08-8-1994	Fuks et al.	
	34	US-5,399,351	01-1-1995	Leshchiner et al.	
	35	US-5,550,116	01-1-1996	Lormeau et al.	
	36	US-5,667,501	01-1-1997	Fowler et al.	
	37	US-5,739,115	01-1-1998	Fugedi et al.	
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Foreign Patent Documents Country Code* Number* Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	38	PCT WO 99/57244	11-11-1999	Ben-Artzi et al.	

40	PCT WO 99/11798	03-11-1999	Pecker et al.	
41	PCT WO 88/01280	01-1-1988	Nicolson et al.	
42	PCT WO 95/04158	09-9-1995	Hoogewerf et al.	
43	PCT WO 99/21975	06-6-1999	Freeman et al.	
44	PCT WO 91/19197	12-12-1991	Nicolson et al.	
45	PCT WO 95/04518	02-16-1995	Midha et al.	
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47	PCT WO 97/11684	04-4-1997	Bennett et al.	
48	PCT WO 91/02977	07-7-1991	Fuks et al.	
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51	PCT WO 00/52178	08-8-2000	Pecker et al.	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/781,758
Filing Date	January 14, 2003
First Named Inventor	ILAN Neta et al
Group Art Unit	
Examiner Name	

Sheet	2	Of	18	Attorney Docket Number	27525
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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	52	Wight et al. "The Role of Proteoglycans in Cell Adhesion, Migration and Proliferation", Curr. Opin. Cell. Biology, 4: 793-801, 1992.			✓
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	56	Fairbanks et al. "Processing of the Human Heparanase Precursor and Evidence that the Active Enzyme is a Heterodimer", Journal of Biol. Chem., 274,(42): 29587-29590, 1999.			✓
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Filing Date	02/24/2003
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First Named Inventor	Zcharia
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Group Art Unit	1652
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U.S. PATENT DOCUMENTS

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Foreign Patent Documents					Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear	1
Examiners Initials	Cite No. 1	Office ²	Number ³	Kind Code ³ (if known)				
		WO	99/57244		Ben-Artzi et al	11-11-1999		
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First Named Inventor	Zcharia
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Filing Date	06/09/2003
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First Named Inventor	Iris PECKEK
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Group Art Unit	1646
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PTC/5B/08A (10-96)

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/645,659
				Filing Date	08/22/2003
				First Named Inventor	YACOBY ZEEVI
				Group Art Unit	1635
				Examiner Name	
Sheet	1	Of	1	Attorney Docket Number	26128
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ¹
		Fairbanks et al. "Processing of the Human Heparanase Precursor and Evidence that the Active Enzyme is a Heterodimer", <i>J. Biol. Chem.</i> , vol. 274, No. 42, pp. 29517-29590, 15 Oct. 1999.			
		Hulett et al. "Cloning of Mammalian Heparanase, an Important Enzyme in Tumor Invasion and Metastasis", <i>Nature Medicine</i> , 5(7):803-809, 1999			
		Toyoshima et al. "Human Heparanase: Purification, Characterization, Cloning, and Expression", <i>J. of Biolog. Chemistry</i> , vol. 274, No. 34, pp. 24153-24160, 20 Aug. 1999.			
		Miao et al. "Cloning, Expression, and Purification of Mouse Heparanase", <i>Prot. in Expression and Purification</i> , 26:425-431, 2002			
		Freeman et al. "Human Platelet Heparanase: Purification, Characterization and Catalytic Activity", <i>Biochem J.</i> , 350(3): 1341-1350, 1998.			
Examiner Signature		Date Considered			

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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/722,502
Filing Date	August 22, 2003
First Named Inventor	YACOBY-ZEEVI Oron et al
Art Unit	1644
Examiner Name	
Attorney Docket Number	26872

Sheet		of		Attorney Docket Number		26872	
U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Number, Kind Code ² & Class					
	1	US-5,362,641	08-8-1994	Fuks et al.			
	2	US-5,399,355	01-1-1995	Leshchiner et al			
	3	US-5,550,116	01-1-1996	Lormeau et al.			
	4	US-5,667,501	01-1-1997	Fowler et al			
	5	US-5,739,115	01-1-1998	Fugedi et al			
	6	US-6,177,545	01-13-2001	Pecker et al.			
	7	US-6,348,344	02-19-2002	Ayal-Hershkovitz et al			
	8	US-4,946,778	08-8-1990	Ladner et al.			
	9	US-5,997,863	07-7-1999	Zimmermann et al.			
	10	US-6,242,238	05-5-2001	Freeman et al			
	11	US-5,688,679	11-18-1997	Powell			
	12	US-6,387,643	05-14-2002	Heinrikson et al.			
	13	US-6,423,312	07-23-2002	Yacoby-Zeevi			
	14	US-6,531,129	01-1-2003	Pecker et al.			
	15	US-4,455,296	06-19-1984	Hansen et al.			
	16	US-5,571,506	01-1-1996	Regan et al.			
	17	US-5,917,830	06-29-1999	Chen et al.			
	18	US-5,859,660	01-12-1999	Perkins et al.			
	19	US-5,600,366	04-4-1997	Schulman			
	20	US-6,020,931	01-1-2000	Bilbrey et al.			
	21	US-5,968,822	10-19-1999	Pecker et al.			
	22	US-6,153,187	11-28-2000	Yacoby-Zeevi			
	23	US-6,664,105	12-16-2003	Pecker et al.			
	24	US-5,145,679	08-8-1992	Hinson			
	25	US-5,736,137	07-7-1998	Anderson et al.			
	26	US-5,194,596	03-16-1993	Tischer et al.			
	27	US-5,350,876	09-27-1994	Kopchick et al.			
	28	US-6,562,950	05-13-2003	Peretz et al.			
	29	US-6,699,672	02-2-2004	Pecker et al.			
	30	US-5,580,862	03-3-1996	Rosen et al.			
	31	US-5,474,983	12-12-1995	Kuna et al.			
	32	US-2002/0102560	01-1-2002	Pecker et al.			
	33	US-4,859,581	01-1-1989	Nicholson et al.			
	34	US-4,882,318	01-1-1989	Vlodavsky et al.			
	35	US-5,129,877	01-1-1992	Gallo et al.			
	36	US-5,206,223	04-27-1993	Vlodavsky et al			
	37	US-5,332,812	07-26-1994	Nicolson et al.			

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/72,502	
				Filing Date	August 22, 2003	
				First Named Inventor	YACOBY-ZEEVI Oron et al	
				Art Unit	1644	
				Examiner Name		
Sheet	2	of	11	Attorney Docket Number	26872	
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
	38	PCT WO 99/57244	11-11-1999	Ben-Artzi et al.		
	39	PCT WO 99/57153	11-11-1999	Pecker et al.		
	40	PCT WO 99/11708	03-11-1999	Pecker et al.		
	41	PCT WO 88/01280	01-1-1988	Nicolson et al.		
	42	PCT WO 95/04158	09-9-1995	Hoogewerf et al.		
	43	PCT WO 99/21975	06-6-1999	Freeman et al.		
	44	PCT WO 91/19197	12-12-1991	Nicolson et al.		
	45	PCT WO 95/04518	02-16-1995	Migita et al.		
	46	PCT WO 03/006645 A2	01-23-2003	Bohlen et al.		
	47	PCT WO 97/11684	04-4-1997	Bennett et al.		
	48	PCT WO 91/02977	07-7-1991	Fuks et al.		
	49	PCT WO 97/27327	07-31-1997	Van Ness et al.		
	50	PCT WO 00/52149	08-8-2000	Yacobi-Zeevi		
	51	PCT WO 00/52178	08-8-2000	Pecker et al.		
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
	52	"Mouse Models for Reproductive Biology Research", www.jax.org/jaxmisc: 1-2, Summer 2002.				
	53	Abaza et al. "Effects of Amino Acid Substitutions Outside an Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration with Region 94-100 (Antigenic Site...) of Myoglobin", in Journal of Protein Chemistry, 11(5): 433-444, 1992.				
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	57	Albus et al. "Staphylococcus Aureus Capsular Types and Antibody Response to Lung Infection in Patients with Cystic Fibrosis", J. Clin. Microbiol. 26(12): 2505-2509, 1988. Abstract.				
	58	Allison et al. "Polysaccharide Production in Pseudomonas Cepacia", J. Bacteriol. 156(1): 3-10, 1994. Abstract.				
Examiner Signature					Date Considered	

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Substitute for form 1449A/PTO		Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/7: 2,502
		Filing Date	August 22, 2003
		First Named Inventor	YACOBY-ZEEVI Oron et al
		Art Unit	1644
		Examiner Name	
Sheet 3 of 11	Attorney Docket Number	2687	
59	Anatolii "Hyaluronic Capsule as one of the Factors of Hemolytic Streptococcus Pathogenicity", Chem. Abstracts 86(17): 339. Abstr. 118714 citing Zh. Mikrobiol. Epidemiol. Immunobiol. 2: 22-27, 1977.		
60	Armstrong et al. "Lower Airway Inflammation in Infants and Young Children with Cystic Fibrosis". Am. J. Respir. Crit. Care Med. 156(4 Pt.1): 1197-1204, 1997. Abstract.		
61	Bean et al. "Fertilization in vitro Increases Non-Disjunction During Early Cleavage Divisions in a Mouse Model System", Human Reproduction 17(9): 2362-2367, 2002. Abstract.		
62	Bendayan "Possibilities of False Immunocytochemical Results Generated by the Use of Monoclonal Antibodies: The Example of the Anti-Proinsulin Antibody", J. Histochem. Cytochem. 43: 881-886, 1995.		
63	Bendig et al. "Humanization of Rodent Monoclonal Antibodies by CDR Grafting", Methods, 8: 83-93, 1993.		
64	Benezra et al. "Thrombin Enhances the Degradation of Heparan Sulfate in the Extracellular Matrix by Tumor Cell Heparanase." Exptl. Cell. Res. (1992) vol. 201:208-215		
65	Benjamin et al. "A Plasticity Window for Blood Vessel Remodelling is Defined by Pericyte Coverage of the Preformed Endothelial Network and is Regulated by PDGF-B and VEGF", Development 125: 1591-1598, 1998.		
66	Bennett et al. "Effect of Uridine 5'-Triphosphate plus Amiloride on Mucociliary Clearance in Adult Cystic Fibrosis". Am. J. Respir. Crit. Care Med. 153(6 Pt.1): 1796-1801, June 1996. [Abstract]		
67	Berkow "The Merck Manual". R. Berkow, M.D., Ed-in-Chief, Merck Research Laboratories: 201, 204, 1998. 177-179, 1016-1017, 194-197, 885, 601, 1997.		
68	Beuth et al. "Lectin-Mediated Bacterial Adhesion to Human Tissue". Eur. J. Clin. Microbiol. 6(5): 591-593, 1987. Abstract.		
69	Bhaskar et al. "Dysregulation of Proteoglycan Production by Intrahepatic Biliary Epithelial Cells Bearing Defective (delta-1508) Cystic Fibrosis Transmembrane Conductance Regulator", Hepatology 27(1): 7-14, Jan. 1998. [Abstract]		
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Examiner Signature		Date Considered	

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Substitute for form 1449A/PTO		Complete if known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/7: 2,502		
		Filing Date	August 22, 2003		
		First Named Inventor	YAC JBY-ZEEVI Oron et al		
		Art Unit	1644		
		Examiner Name			
Sheet	4	of	11	Attorney Docket Number	2687
76	Brenner "Errors in Genome Annotation". Trends in Genetics. 15(4): 132-133, 1999.				
77	Brinster et al. "Restoration of Fertility by Germ Cell Transplantation Requires Effective Recipient Preparation". Biology of Reproduction 69: 412-420, 2013. Abstract.				
78	Burnh et al. "Oligodeoxynucleotides Antisense to the Interleukin 1 Receptor mRNA Block the Effects of Interleukin 1 in Cultured Murine and Human Fibroblasts and in Mice". J. Clin. Invest. 88: 1190, 1991. Abstract.				
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80	Carpentier et al. "DNA Vaccination with HuD Inhibits Growth of a Neuroblastoma in Mice". Clinical Cancer Research. 4: 2819-2824, 1999.				
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93	Edwards et al. "Some Properties and Applications of Monoclonal Antibodies", Biochem. Journal 200: 1-10, 1981.				
Examiner Signature			Date Considered		

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/7: 2,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
				Examiner Name	
Sheet	3	of	11	Attorney Docket Number	26872
94	Ejima et al. "Induction of Apoptosis in Placentas of Pregnant Mice Exposed to Lipopolysaccharides: Possible Involvement of Fas/Fas Ligand System". Biology of Reproduction 62: 178-185, 2000. Abstract.				
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96	Ennis et al. PNAS USA. 87: 2833-2837, 1990.				
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98	Faber-Elman et al. "Involvement of Wound-Associated Factors in Rat Brain Astrocyte Migratory Response to Axonal Injury: In Vitro Simulation". J. Clin. Invest. 97(1): 162-171, 1996.				
99	Fairbanks et al. "Processing of the Human Heparanase Precursor and Evidence that the Active Enzyme is a Heterodimer". Journal of Biol. Chem. 274(42): 29537-29590, 1999.				
100	Farnsdale et al. "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures". Connective Tissue Research 9: 247-248, 1982.				
101	Ferber et al. "Pancreatic and Duodenal Homobox Gene 1 Induces Expression of Insulin Genes in Liver and Ameliorates Streptozotocin-Induced Hyperglycemia". Nature Medicine. 6(5): 568-572, 2000.				
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106	Freeman et al. "Human Platelet Heparanase: Purification, Characterization and Catalytic Activity". Biochem. J. 330: 1341-1350, 1998.				
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108	Gewirtz et al. "Nucleic Acid Therapeutics: State of the Art and Future Prospects". Blood 92(3): 712-736, 1998.				
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112	Green et al. "Antisense Oligonucleotides: An Evolving Technology for the Modulation of Gene Expression in Human Disease". Journal of American Coll Surgery. 191(1): 93-105, 2000.				
Examiner Signature				Date Considered	

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Substitute for form 1449A/PTO		Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/72,502
		Filing Date	August 22, 2003
		First Named Inventor	YACOBY-ZEEVI Ori et al
		Art Unit	1644
		Examiner Name	
Sheet	5 of 11	Attorney Docket Number	26872
113	Haimov-Kochman et al. "Localization of Heparanase in Normal and Pathological Human Placenta". Molecular Human Reproduction 8(6): 566-573, 2002.		
114	Harlow et al. "Antibodies" A Laboratory Manual, eds. Harlow et al.: 471-500, 1996.		
115	Hatch et al. "Alginate Lyase Promotes Diffusion of Aminoglycosides Through the Extracellular polysaccharide of Mucoid Pseudomonas Aeruginosa". Antimicrob. Agents Chemother. 42(4): 974-977, 1998. [Abstract]		
116	Hayward et al. "Cellular Mechanisms of Heparinase III Protection in Rat Traumatic Shock". American Journal of Physiology 275:H23-H30, 1998.		
117	Hida et al. "Antisense E1AF Transfection Restrains Oral Cancer Invasion by Reducing Matrix Metalloproteinase Activities". Am. J. Pathol., 50(6): 2125-2132, 1997. Abstract.		
118	Hill et al. "Organ-Specific Over-Sulfation of Glycosaminoglycans and Altered Extracellular Matrix in a Mouse Model of Cystic Fibrosis". Biochem. Mol. Med., 62(1): 113-122, 1997. Abstract.		
119	Hillier et al. "The WashU-Merck EST Project" GenBank Entry N32056, 1996.		
120	Hillier et al. "The WashU-Merck EST Project". No. N30824. Database GenBank on STN. US National Library of Medicine (Bethesda MD). 1996.		
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123	Hoogwerf et al. "CXC Chemokines Connective Tissue Activating Peptide-III and Neutrophil Activating Peptide-2 Are Heparin/Heparan Sulfate-Degrading Enzymes". J. Biol. Chem., 270(7): 3268-3277, 1995.		
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125	Hulett et al. "Cloning of Mammalian Heparanase, an Important Enzyme in tumor Invasion and Metastasis". Nature Medicine: 5(7): 803-809, 1999.		
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127	Ishai-Michaeli et al. "Heparanase Activity Expressed by Platelets, Neutrophils, and Lymphoma Cells Releases Active Fibroblast Growth Factor From Extracellular Matrix". Cell Regulation, 1: 833-842, 1990.		
128	Jayaraman et al. "Rational Selection and Quantitative Evaluation of Antisense Oligonucleotides". Biochimica et Biophysica Acta 1520: 105-114, 2001.		
129	Jin et al. "Immunohistochemical Localization of Heparanase in Mouse and Human Melanomas". Int. J. Cancer. 45: 1088-1095, 1990.		
130	Jin et al. "Molecular Cloning and Expression of Human Heparanase cDNA". Proceedings American Association for Cancer Research Annual Meeting 1992, 33: 57, 1992. Abstract		
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Substitute for form 1449/APTO				Complete if known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/712,502	
				Filing Date	August 22, 2003	
				First Named Inventor	YACOBY-ZEEVI Oron et al	
				Art Unit	1644	
				Examiner Name		
Sheet	7	of	11	Attorney Docket Number	26872	
131	Jorba et al. ["Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars"] (author's translation). Rev. Esp. Fisiol. 36(2): 155-161, 1980. Abstract.					
132	Kato et al. "Physiological Degradation Converts the Soluble Syndecan-1 Extracellular Domain from an Inhibitor to a Potent Activator of FGF-2". Nature Medicine, 4(6): 611-697, 1998.					
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134	Kiberstis et al. "Bone Health in the Balance", Science 289: 1497, 2000.					
135	Kizaki et al. "Cloning and Localization of Heparanase in Bovine Placenta". Placenta 24: 424-430, 2003.					
136	Kizaki et al. "Expression of Heparanase mRNA in Bovine Placenta During Gestation", Reproduction 121: 573-580, 2001					
137	Kuehler et al. "Continuous Cultures of Fused Cells Secreting Antibody of F redefined Specificity", Nature 256: 495-497, 1975.					
138	Konstan et al. "Current Understanding of the Inflammatory Process in Cystic Fibrosis", Pediatric Pulmonology, 24: 137-142, 1997.					
139	Konstan et al. "Patterns of Medical Practice in Cystic Fibrosis: Part II. Use of Therapies". Pediatr. Pulmonol. 28(4): 248-254, Oct. 1999. [Abstract]					
140	Korb et al. "Stimulation of Gene Expression by Introns: Conversion of an Inhibitory Intron to a Stimulatory Intron by Alteration of the Splice Donor Sequence". Nucleic Acids Research 21(25): 5901-5908, 1993.					
141	Kosir et al. "Early Human Breast Carcinoma Cells Produce Extra Cellular Heparanase". Molecular Biology/Biochemistry. Proceedings of the American Association for Cancer Research, 37: 495, 1996.					
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144	Kronenwett et al. "Oligodeoxyribonucleotide Uptake in Primary Human Hematopoietic Cells Is Enhanced by Cationic Lipids and Depends on the Hematopoietic Cell Subset". Blood, 91(3): 852-862, 1998.					
145	Kurachi et al. "Role of Intron I in Expression of the Human Factor IX Gene". Journal of Biological Chemistry 270(10): 5276-5281, 1995.					
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149	Laskov et al. "Production of Heparanase by Normal and Neoplastic Murine B-Lymphocytes". International Journal of Cancer 47(1): 92-98, Jan. 1991.					
Examiner Signature					Date Considered	

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Substitute for form 1449A/PTO		Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/712,502
(use as many sheets as necessary)		Filing Date	August 22, 2003
		First Named Inventor	YACOBY-ZEEVI Oron et al
		Art Unit	164
		Examiner Name	
Sheet	8 of 11	Attorney Docket Number	268'2
150	Le Fur et al. "Selective Increase in Specific Alternative Splice Variants of Tyrosinase in Murine Melanomas: A Projected Basis for Immunotherapy", Proc. natl. Acad. Sci., 94: 5332-5337, 1997.		
151	Lederman et al. "A Single amino Acid Substitution in a common African allele of the CD4 Molecule Ablates Binding of the Monoclonal antibody, OKT4", Molecular Immunology 28: 1171-1181, 1991)		
152	Li et al. "Immunochemical Localization of Heparanase in Mouse and Human Melanomas", Int. J. Cancer 45: 1088-1095, 1990.		
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156	Liu et al. "Live Offspring by In Vitro Fertilization of Oocytes from Cryopreserved Primordial Mouse Follicles after Sequential In Vivo Transplantation and In Vitro Maturation". Biology of Reproduction 64: 171-178, 2001. Abstract.		
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162	Massague "The TGF-BETA Family of Growth and Differentiation Factors". Cell, 49: 437-438, 1987.		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/22,502
		Filing Date	August 22, 2003
		First Named Inventor	YACOBY-ZEEVI Oron et al
		Art Unit	164
		Examiner Name	
Sheet	of	Attorney Docket Number	268/2
167	Muir et al. "Histomorphometric Analysis of the Effects of Standard Heparin on Trabecular Bone in vivo". Blood 88(4): 1314-1320, August 15, 1996. [Abstract]		
168	Mullings et al. "New Reducing Sugar Assay for the Study of Cellulases". Enzyme Microb. Technol., 6:491-496, 1984.		
169	Nakajima et al. "Heparanases and Tumor Metastasis". J. Cell Biochemistry, 6(2): 157-167, 1988.		
170	Naparstek et al. "Activated T Lymphocytes Produce a Matrix-Degrading Heparan Sulphate Endoglycosidase". Nature, 310(5974): 241-244, 1984. Abstract.		
171	Newbold et al. "Exposure to Diethylstilbestrol During Pregnancy Permanently Alters the Ovary and Oviduct". Biology of Reproduction 28: 735-744, 1983. Abstract.		
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173	Oldberg et al. "Characterization of a Platelet Endoglycosidase Degrading Heparin-Like Polysaccharides". Biochemistry 19: 5755-5762, 1980.		
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177	Pilbeam et al. "Comparison of the Effects of Various Lengths of Synthetic Human Parathyroid Hormone-Related Peptide (hPTHrP) of Malignancy on Bone Resorption and Formation in Organ Culture". Bone, 14: 717-720, 1993.		
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181	Rajur et al. "Covalent Protein-Oligonucleotide Conjugates for Efficient Delivery of Antisense Molecules". Bioconjugate Chem., 8, 935-940, 1997.		
182	Ramos et al. "Relationship Between Glycolysis and Exopolysaccharide Biosynthesis in Lactococcus Lactis", Appl. Environ. Microbiol. 67(1): 33-41, 2001. [Abstract]		
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				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
				Examiner Name	
Sheet	10	of	11	Attorney Docket Number	2687
	185	Sasisekharan et al. "Heparinase Inhibits Neovascularization". Proc. Natl. Acad. Sci. 91: 1524-1528, 1994.			
	186	Selvan et al. "Heparan Sulfate in Immune Responses". An. NY Acad. Sci., 97: 127-139, 1996.			
	187	Service "Tissue Engineers Build New Bone". Science 289: 1498-1500, 2001.			
	188	Shastri "Gene Disruption in Mice: Models of Development and Disease". Molecular and Cellular Biochemistry, 181: 163-179, 1998.			
	189	Shekhar et al. "Correlation of Differences in Modulation of ras Expression with Metastatic Competence of Mouse Mammary Tumour Subpopulations". Invasion Metastasis, 14: 27-37, 1994/5.			
	190	Shimazu et al. "Syndecan-3 and the Control of Chondrocyte Proliferation During Endochondral Ossification". Exp. Cell. Res. 229(1): 126-136, 1996. Abstract.			
	191	Skolnick et al. "From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era". Trends in Biotech., 18: 34-39, 2000.			
	192	Smith et al. "The Challenges of Genome Sequence Annotation or "The Devil is in the Details"". Nature Biotechnol., 15: 1222-1223, 1997.			
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	196	Tatnell et al. "Characterisation of Alginates from Mucoid Strains of Pseudomonas Aeruginosa". Biochemical Society Transactions 24: 404S, 1996.			
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	199	Thuong et al. "Sequence-Specific Recognition and Modification of Double-Helical DNA by Oligonucleotides". Angew. Chem., Int. Ed. Engl. 32: 666-690, 1993.			
	200	Toyoshima et al. "Human Heparanase: Purification, Characterization, Cloning, and Expression". J. of Biolog. Chemistry, 274(34): 24153-24160, 1999.			
	201	Uno et al. "Antisense-Mediated Suppression of Human Heparanase Gene Expression Inhibits Pleural Dissemination of Human Cancer Cells". Cancer Research 6 (21), 7855-7860, 2001.			
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	203	Vlodavsky et al. "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", Nature Medicine, 5(7): 793-802, 1999.			
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		First Named Inventor	YACOBY-ZEEVI Oron et al
		Art Unit	164
		Examiner Name	
Sheet	1 of 1	Attorney Docket Number	268.2
204	Vogel et al. "Production of Proteoglycans by Human Lung Fibroblasts (IMR-90) maintained in a Low Concentration of Serum". Biochem J. 207(3): 369-379. Abstract.		
205	Vukicevic et al. "Induction of Nephrogenic Mesenchyme by Osteogenic Protein 1 (Bone Morphogenetic Protein 7)". Proc. Natl. Acad. Sci., 93: 9021-9026, 1996.		
206	Walch et al. "Correlation of Overexpression of the Low-Affinity p75 Neurotrophin Receptor with Augmented Invasion and Heparanase Production in Human Malignant Melanoma Cells". Int. J. Cancer 82: 112-120, 1999.		
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218	Zhou et al. "A 182 bp Fragment of the Mouse pro α 1(I) Collagen Gene is Sufficient to Direct Chondrocyte Expression in Transgenic Mice", J. Cell Science 108: 3677-3684, 1995.		
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Signature		Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/341,582
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Filing Date	01/14/2003
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First Named Inventor	Ilan et al,
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Group Art Unit	1652
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Examiner Name

Attorney Docket Number	25449
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Sheet

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of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiners Initials	Cite No. 1	Foreign Patent Documents			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ²	Kind Code ³ (if known)				
		WO	95/04158		Hoogwerf et al	02-09-1995		
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Filing Date	01/14/2003
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First Named Inventor	Ilan et al
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Sheet	2	Of	4
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T:

Richardson et al, "Regulation of Basic Fibroblast Growth factor Binding and Activity by Cell Density and Heparan Sulfate", *J. Biological Chemistry*, 274(19):13534-13540

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var. n. of *hepaticum* I give for
"hepaticum" Bo. Natl. Acad. U.S.A.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/341,582
		Filing Date	01/14/2003
		First Named Inventor	Ilan et al
		Group Art Unit	1652
		Examiner Name	
Sheet 5	Of 4	Attorney Docket Number 25479	
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country, where published.	T ²
		Kassie et al, "Cloning and Functional Expression of a Human Heparanase Gene", <i>Biochem. And Biophysical Res. Comm.</i> , 261:183-187, 1999	
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Examiner Signature	Date Considered		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/341,582
		Filing Date	01/14/2003
		First Named Inventor	Ilan et al
		Group Art Unit	1652
		Examiner Name	
Sheet	1	OF	4
		Attorney Docket Number	25449
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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Application Number	10/163,997
Filing Date	June 7, 2002
First Named Inventor	Yacobi-Zeevi
Group Art Unit	1652
Examiner Name	
Attorney Docket Number	02/23884

Sheet 2 of 6

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	AD	"The Merck Manual", R. Berkow, M.D. Ed-in-Chief, Merck Research Laboratories, 1997, pp 201, 204, 1308, 177-179, 1016-1017, 194-197, 885, 661.	
	AE	Konstan et al, "Patterns of Medical Practice in Cystic Fibrosis: Part III. Use of Therapies", <i>Pediatr Pulmonol</i> , 1999, Oct; 28(4):248-54 (Abstract)	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/163,993
Filing Date	June 7, 2002
First Named Inventor	Yacobi Zeevi
Group An Unit	1657
Examiner Name	
Attorney Docket Number	02/23884

Sheet 3 of 6

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	AQ	Weller, Peter H., "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions", <i>Pediatric Pulmonology</i> , 24:143-146, 1997	
	AR	Konstan, Michael W., "Current Understanding of the Inflammatory Process in Cystic Fibrosis", <i>Pediatric Pulmonology</i> , 24:137-142, 1997	
	AS	Rubin, Bruce K., "Emerging Therapies for Cystic Fibrosis Lung Disease", <i>Chest</i> , 115:1126-1126, 1999	
	AT	Marty et al, "Influence of Nutrient Media on the Chemical Composition of Exopolysaccharide from Mucoid and Non-Mucoid Pseudomonas Aeruginosa", <i>FEMS Microbiol Lett</i> , 1992 Nov 1; 77(1-3):35-44 (Abstract)	
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	AV	Drigues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide From a Virulent Strain of Pseudomonas Solanacearum and for Three Avirulent Mutants", <i>J Bacteriol</i> , 1985 May; 162(2):504-509 (Abstract)	
	AW	Jorba et al, "Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars (author's transl)", <i>Rev Esp Fisiol</i> , 1980 Jun; 36(2):155-161 (Abstract)	
	AX	Ramos et al, "Relationship Between Glycosis and Exopolysaccharide Biosynthesis in Lactococcus Lactis", <i>Appl Environ Microbiol</i> , 2001 Jan; 67(1):33-41 (Abstract)	
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/163,993
Filing Date	June 7, 2002
First Named Inventor	Yacoby Zeevi
Group Art Unit	1652
Examiner Name	
Attorney Docket Number	02/23884

Sheet 1 of 5

Examiner Initials	Cite No.	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume/issue number(s), publisher, city and/or country where published.	T ²
	BD	Beuth et al, "Lectin-Mediated Bacterial Adhesion To Human Tissue", <i>Eur J Clin Microbiol</i> , 1987 Oct;6(5):591-3. (Abstract)	
	BE	Allison et al, "Polysaccharide Production in <i>Pseudomonas Cepacia</i> ", <i>J Basic Microbiol</i> , 1994; 34(1):3-10 (Abstract)	
	BF	Albus et al, "Staphylococcus Aureus Capsular Types And Antibody Response To Lung Infection In Patients With Cystic Fibrosis", <i>J Clin Microbiol</i> , 1988 Dec; 26(12):2505-9. (Abstract)	
	BG	Macone et al, "Mucoïd <i>Escherichia Coli</i> In Cystic Fibrosis". <i>N Engl J Med</i> , 1981 Jun 11;304(24):1445-9. (Abstract)	
	BH	Golberg et al, "An Improved Method For Determining Proteoglycans Synthesized by Chondrocytes in Culture", <i>Connective Tissue Research</i> , 24:265-275, 1990	
	BI	Farnsdale et al, "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures", <i>Connective Tissue Research</i> , 9:247-248, 1982	
	BJ	Sutherland, Ian W., "Structure-Function Relationships in Microbial Exopolysaccharides", <i>Biotech Adv.</i> , 12:393-448, 1994	
	BK	Tatnell et al, "Characterisation of Alginate from Mucoïd Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 24:404S, 1996	
	BL	Tatnell et al, "Chemical Analysis of Alginate from Mucoïd Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 22:310S, 1994	
	BM	Tatnell et al, "Colonisation of Cystic Fibrosis Patients by Non-Mucoïd <i>Pseudomonas Aeruginosa</i> - Characterisation of the Alginate from Mucoïd Variants", <i>Biochem. Soc. Trans.</i> , 24:406S, 1996	
	BN	P. Dury et al., "The Osteoblast: A Sophisticated Fibroblast under Central Surveillance", <i>Science</i> , Vol. 289, September 1, 2000, pp. 1501 - 1504	
	BO	Figues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide from a Virulent Strain of <i>Pseudomonas Solanacearum</i> and from Three Avirulent Mutants", <i>J Bacteriology</i> , May, 1985, pp 504-509	
	BP	Macone et al, "Mucoïd <i>Escherichia Coli</i> in Cystic Fibrosis". <i>New England J Medicine</i> , 304(24):1444S-1449	
	BQ	Ofek et al, "Bacterial Adhesion to Cells and Tissue", Chapman & Hall, N.Y., Pub. 1994, pp 114-118, 148-153, 418-418, 420-423	
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Complete if Known

Application Number	10/163,993
Filing Date	June 7, 2002
First Named Inventor	Yacoby-Zeevi
Group Art Unit	1552
Examiner Name	
Attorney Docket Number	G2/23884

Sheet 5 of 6

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BR	Reddi, A. Hari, "Role of Morphogenetic Proteins in Skeletal Tissue Engineering and Regeneration", <i>Nature Biotechnology</i> , Vol. 16, March 1998, pp. 247 - 252	
	BS	L.A. Dempsey et al., "Heparanase, A Potential Regulator of Cell-Matrix Interactions", <i>Trends in Biochem Sci</i> , 25:349-351, 2000	
	BT	Elkin et al., "Heparanase as Mediator of Angiogenesis; mode of action", <i>The FASEB Journal</i> , 15: 1661-1663, 2001	
	BU	Elkin et al., "Heparanase as Mediator of Angiogenesis; mode of action", <i>The FASEB Journal</i> , Published online May 29, 2001	
	BV	E. Finkel, "Potential Target Found for Antimetastasis Drugs", <i>Science</i> , Vol. 285, July 2, 1999, pp. 33 - 34	
	BW	I. Vlodavsky, et al., "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", <i>Nature Medicine</i> , Vol. 5, No. 7, July 1999, pp. 793 - 802	
	BX	Webster et al., "FGFR Activation in Skeletal Disorders: too much of a good thing", <i>TIG</i> , May 1997, Vol. 13, No. 5, pp. 178 - 182	
	BY	Prockop, D.J., "Marow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", <i>Science</i> , Vol. 276, 4 April 1997, pp. 71 - 74	
	BZ	Shmazu, et al., "Syndecan-3 and the control of chondrocyte proliferation during endochondral ossification", <i>Exp. Cell. Res.</i> 1996 Nov. 25:229:1, pp. 126 - 136 (Abstract)	
	CA	F. Blanquaert et al., "CMDBS, functional analogs of sulfate heparanes, used as osseous cicatrizing agents", <i>Ann. Endocrinol (Paris)</i> 1994 56:2 pp. 121 - 123 Abstract	
	CB	F. Blanquaert et al., "Heparan-like molecules induce the repair of skull defects", <i>Bone</i> 1995, December 17:6 pp. 499 - 506 (Abstract)	
	CC	Muir et al., "Histomorphometric Analysis of the Effects of Standard Heparin on Trabecular Bone <i>in vivo</i> ", <i>Endocr.</i> August 15, 1996:88(4):1314 - 1320 (Abstract)	

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				Application Number	10/163.993
				Filing Date	June 7, 2002
				First Named Inventor	Yacoby-Zeevi
				Group An Unit	1632
				Examiner Name	
Sheet	6	of	6	Attorney Docket Number	02/23884

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/988,113
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Filing Date	March 1, 1999
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First Named Inventor	Pecker et al
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Group Art Unit	1652
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Examiner Name	Hutson, Richard
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Attorney Docket Number 01/22781

Sheet	1	of
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of 3

Attorney Docket Number 01/22781

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiners Initials	Cite No.	Foreign Patent Documents			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear	76
		Office	Number	Kind Code (if known)				
		WO	95/04158		Hoogwerf et al	02-09-1995		
Examiner Signature						Date Considered		

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/988,113
		Filing Date	March 1, 1999
		First Named Inventor	Pecker et al
		Group Art Unit	1652
		Examiner Name	Hutson, Richard G.
Sheet 2 of 3	Attorney Docket Number		01/22781
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Ernst et al, "Enzymatic Degradation of Glycosaminoglycans", <i>Critical Rev. in Biochemistry and Mol. Biology</i> , 30(5):387-444, 1995	
		Linhardt et al, "Polysaccharide Lyases", <i>Applied Biochemistry and Biotechnology</i> , 12:135-136, 1986	
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		Marchetti et al, "Neutrophil Stimulation of Human Melanoma Cell Invasion: Selected Enhancement of Heparanase Activity and Heparanase Degradation of Specific Heparan Sulfate Subpopulations", <i>Cancer Research</i> , 56:2856-2863, 1996	
		Marchetti et al, "Neutrophil Stimulation of Human Melanoma Cell Invasion: Selected Enhancement of Heparanase Activity and Heparanase Degradation of Specific Heparan Sulfate Subpopulations", <i>Advances in Enzyme Regulation</i> , 37:111-134, 1997	
		Jin et al, "Immunohistochemical Localization of Heparanase in Mouse and Human Melanomas", <i>Int. J. Cancer</i> , 45:1088-1095, 1990	
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		Freeman et al, "Evidence that Platelet and Tumour Heparanases are Similar Enzymes", <i>Biochem. J.</i> , 342:361-368, 1999	
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		Kussie et al, "Cloning and Functional Expression of a Human Heparanase Gene", <i>Biochem. And Biophysical Res. Comm.</i> , 261:183-187, 1999	
Examiner Signature	Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/988,113
Filing Date	March 1, 1999
First Named Inventor	Pecker et al
Group Art Unit	1652
Examiner Name	Hutson, Richard G.
Attorney Docket Number	01/22781

Sheet	3	of	3
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Walch et al, Correlation of Overexpression of the Low-Affinity p75 Neurotrophin Receptor with Augmented Invasion and H-paranase Production in Human Malignant Melanoma Cells", <i>Int. J. Cancer</i> , 82:112-120, 1999	
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		Horrouzdi et al, "A Gene-Targeting Approach Identifies a Function for the First Intron in Expression of the Alpha 1(I) Collagen Gene", <i>Mol. Cell Biol.</i> , 18(6):3368-3375, 1998 (abstract Only)	
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		Ye et al, "Targeted Gene Correction: A New Strategy for Molecular Medicine", <i>Molecular Medicine Today</i> , Oct. 1998, pp 431-432	
		Lai et al, "Homologous Recombination Based Gene Therapy", <i>Exp Nephrol</i> , 7(1):11-14, 1999 (abstract only)	
		Yazaki et al, "The structure and Expression of the FGF Receptor-1 mRNA Isoforms in Rat Tissue", <i>Biochemica et Biophysica Acta</i> , 1172:37-42, 1993	
		Le Fur et al, "Selective Increase in Specific Alternative Splice Variants of Tyrosinase in Murine Melanomas: A Projected Basis for Immunotherapy", <i>Proc. Natl. Acad. Sci. USA</i> , 94:5332-5337, 1997	
		Gurley et al, "CD44 Isoforms with Exon v6 and Metastasis of Primary NOMO Breast Carcinomas", <i>Breast Cancer Res Treat</i> , 44(3):261-268, 1997	
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		Carpentier et al, "DNA Vaccination with HuD Inhibits Growth of a Neuroblastoma in Mice", <i>Clinical Cancer Research</i> , 4:2819-2824, 1998	
		Lai, et al, "DNA Vaccines", <i>Critical Reviews in Immunology</i> , 18:449-484, 1998	
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Application Number	09/978,297
Filing Date	10/17/2001
First Named Inventor	Yacobi-Zeevi
Group Art Unit	1633
Examiner Name	
Attorney Docket Number	04/22716

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Sheet	1	Of	4
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiners Initials	Cite No.	Foreign Patent Documents			Name of Patente or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear	T ^d
		Office ¹	Number ²	Kind Code ³ (if known)				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/978,297
		Filing Date	10/17/2001
		First Named Inventor	Yacobi-Zeevi
		Group Art Unit	1633
		Examiner Name	
Sheet 1	Of 4	Attorney Docket Number	01/22716
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹		T ²
	BA	"The Merck Manual", R. Berkow, M.D. Ed-in-Chief, Merck Research Laboratories, 1991, pp 201, 204, 1308, 177-179, 1016-1017, 194-197, 885, 601.	
	BB	Konstan et al, "Patterns of Medical Practice in Cystic Fibrosis: Part III. Use of Therapies", <i>Pediatr Pulmonol</i> , 1999, Oct; 28(4):248-54 (Abstract)	
	BC	Frederiksen et al, "Antibiotic Treatment of Initial Colonization with Pseudomonas Aeruginosa Postpones Chronic Infection and Prevents Deterioration of Pulmonary Function in Cystic Fibrosis", <i>Pediatr Pulmonol</i> , 1997 May; 23(5):330-335 (Abstract)	
	BD	Frederiksen et al, "Changing Epidemiology of Pseudomonas Aeruginosa infection in Danish Cystic Fibrosis Patients (1974-1995)", <i>Pediatr Pulmonol</i> , 1999 Sep; 28(3):159-166 (Abstract)	
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	BF	Matzner et al, "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by a Readily Released Heparanase from Human Neutrophils. Possible Role in Invasion Through Basement Membranes", <i>J. Clin. Invest.</i> , 1985 Oct; 76(4):1306-1313 (Abstract)	
	BG	Bennett et al, "Effect of Uridine 5'-Triphosphate plus Amiloride on Mucociliary Clearance in Adult Cystic Fibrosis", <i>Am J Respir Crit Care Med</i> , 1996 Jun; 153(6 Pt 1):1796-1801 (Abstract)	
	BH	Vlodavsky et al, "Expression Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 1992; 12(2):112-127 (Abstract)	
	BI	Naparstek et al, "Activated T Lymphocytes Produce a Matrix Degrading Heparan Sulphate Endoglycosidase", <i>Nature</i> , 1984 July 19-25; 310(5974):241-244 (Abstract)	
	BJ	Armstrong et al, "Lower Airway? Inflammation in Infants and Young Children with Cystic Fibrosis", <i>Am J Respir Crit Care Med</i> , 1997 Oct; 156(4Pt 1):1197-1204 (Abstract)	
	BK	Tang et al, "Contribution of Specific Pseudomonas Aeruginosa Virulence Factors to Pathogenesis of Pneumonia in a Neonatal Mouse Model of Infection", <i>Infect Immun</i> , 1996 Jan; 64(1):37-43 (Abstract)	
	BL	Murray et al, "The Extracellular Matrix", found in Harper's Biochemistry, 24 th Ed., McGraw-Hill Professional 1998, Chap. 57, pp 667-679	
	BM	Selvan et al, "Heparan Sulfate in Immune Responses", <i>Annals New York Academy of Sciences</i> , 797:127-139, 1996	
	BN	Weller, Peter H., "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions", <i>Pediatric Pulmonology</i> , 24:143-146, 1997	
Examiner Signature	Date Considered		

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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/978,297		
		Filing Date	10/17/2001		
		First Named Inventor	Yacobi Zeevi		
		Group Art Unit	1623		
		Examiner Name			
Sheet	3	Of	4	Attorney Docket Number	01/22716
✓	DA	Golberg et al, "An Improved Method For Determining Proteoglycans Synthesized by Chondrocytes in Culture", <i>Connective Tissue Research</i> , 24:265-273, 1990			
✓	DB	Farnsdale et al, "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures", <i>Connective Tissue Research</i> , 9:247-248, 1982			
✓	DC	Sutherland, Ian W., "Structure-Function Relationships in Microbial Exopolysaccharides", <i>Biotech Adv.</i> , 12:393-408, 1994			
✓	DD	Tatnell et al, "Characterisation of Alginates from Mucoid Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 24:404S, 1996			
✓	DE	Tatnell et al, "Chemical Analysis of Alginates from Mucoid Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 22:310S, 1994			
✓	DF	Tatnell et al, "Colonisation of Cystic Fibrosis Patients by Non-Mucoid <i>Pseudomonas Aeruginosa</i> - Characterisation of the Alginate from Mucoid Variants", <i>Biochem. Soc. Trans.</i> , 24:406S, 1996			
✓	DG	Drigues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide from a Virulent Strain of <i>Pseudomonas Soizancearum</i> and from Three Avirulent Mutants", <i>J Bacteriology</i> , May, 1985, pp 504-509			
✓	DH	Maccone et al, "Mucoid <i>Escherichia Coli</i> in Cystic Fibrosis", <i>New England J Medicine</i> , 304(24):1444S-1449			
✓	DI	Ofek et al, "Bacterial Adhesion to Cells and Tissue", Chapman & Hall, N.Y., Pub. 1994, pp 114-118, 148-153, 418-418, 420-423			
	DJ				
Examiner Signature				Date Considered	

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/978,297
(use as many sheets as necessary)				Filing Date	10/17/2001
				First Named Inventor	Yacobi-Zeeh
				Group Art Unit	1633
				Examiner Name	
Sheet		Of	4	Attorney Docket Number	01/22716
	CA	Konstan, Michael W., "Current Understanding of the Inflammatory Process in Cystic Fibrosis", <i>Pediatric Pulmonology</i> , 24:137-142, 1997			
	CB	Robin, Bruce K., "Emerging Therapies for Cystic Fibrosis Lung Disease", <i>Chest</i> , 115:1120-1126, 1999			
✓	CD	Pasquier et al, "Implication of Neutral Polysaccharides Associated to Alginate Inhibition of Murine Macrophage Response to <i>Pseudomonas Aeruginosa</i> ", <i>FEMS Microbiol Lett</i> , 1997 Feb 15; 147(2):195-201 (Abstract)			
✓	CE	Marty et al, "Influence of Nutrient Media on the Chemical Composition of Exopolysaccharide from Mucoid and Non-Mucoid <i>Pseudomonas Aeruginosa</i> ", <i>FEMS Microbiol Lett</i> , 1992 Nov 1; 77(1-3):35-44 (Abstract)			
✓	CF	Drigues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide From a Virulent Strain of <i>Pseudomonas Solanacearum</i> and for Three Avirulent Mutants", <i>J Bacteriol</i> , 1985 May; 162(2):504-509 (Abstract)			
✓	CG	Jorba et al, "Variations in the <i>P. Aeruginosa</i> Polysaccharide Synthesis Conditioned by Aminosugars (author's transl)", <i>Rev Esp Fisiol</i> , 1980 Jun; 36(2):155-161 (Abstract)			
✓	CH	Ramos et al, "Relationship Between Glycosyls and Exopolysaccharide Biosynthesis in <i>Lactococcus Lactis</i> ", <i>Appl Environ Microbiol</i> , 2001 Jan; 67(1):33-41 (Abstract)			
✓	CI	Bhaskar et al, "Dysregulation of Proteoglycan Production by Intrahepatic Epithelial Cells Bearing Defective (delta-f508) Cystic Fibrosis Transmembrane Conductance Regulator", <i>Hepatology</i> , 1998 Jan; 27(1):7-14 (Abstract)			
✓	CJ	Vogel et al, "Production Of Proteoglycans By Human Lung Fibroblasts (IMR-90) Maintained In A Low Concentration Of Serum", <i>Biochem J</i> 1982 Dec 1; 207(3):369-379. (Abstract)			
✓	CK	Hill et al, "Organ-Specific Over-Sulfation Of Glycosaminoglycans And Altered Extracellular Matrix In A Mouse Model Of Cystic Fibrosis", <i>Biochem Mol Med</i> , 1997 Oct; 62(1):173-22. (Abstract)			
✓	CL	Welch et al, "Complex Saccharide Metabolism In Cystic Fibrosis Fibroblasts" <i>Pediatr Res</i> , 1975 Sep; 9(9):698-702. (Abstract)			
✓	CM	Rahmouni et al, "Chondroitin Sulfate In Sputum From Patients With Cystic Fibrosis And Chronic Bronchitis", <i>Am J Respir Cell Mol Biol</i> , 1991 Oct; 5(4):315-20. (Abstract)			
✓	CN	Baeth et al, "Lectin-Mediated Bacterial Adhesion To Human Tissue", <i>Eur J Clin Microbiol</i> , 1987 Oct; 6(5):591-3. (Abstract)			
✓	CO	Allison et al, "Polysaccharide Production in <i>Pseudomonas Cepacia</i> ", <i>J Basic Microbiol</i> , 1994; 34(1):3-10 (Abstract)			
✓	CP	Albus et al, "Staphylococcus Aureus Capsular Types And Antibody Response To Lung Infection In Patients With Cystic Fibrosis", <i>J Clin Microbiol</i> , 1988 Dec; 26(12):2505-9. (Abstract)			
✓	CQ	Maccone et al, "Mucoid <i>Escherichia Coli</i> In Cystic Fibrosis", <i>N Engl J Med</i> , 1981 Jun 11; 304(24):1445-9. (Abstract)			
Examiner Signature				Date Considered	

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Form PTO-1449 (Modified)				Atty. Docket No. 910/16		Application No. 09/260,038	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				Applicant: Maty AYAL-HERSHKOVITZ et al			
				Filing Date: March 2, 1999		Group Art Unit: 1652	
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
AB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AC	mmr	Burgess et al, "The Heparin Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu Rev Biochem</i> , 58:575-606, 1989					
AD		Campbell et al, "Heparan Sulfate Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype". <i>Experimental Cell Research</i> , 20:156-167, 1992					
AE		Gordon-Cardo et al, "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", <i>Laboratory Investigation</i> , 63:832-840, 1990					
AF		Eisenberg et al, "Lipoprotein Lipase Enhances Binding of Lipoproteins to Heparan Sulfate on Cell Surface and Extracellular Matrix" <i>J. Clin. Invest.</i> , 90:2013-2021, 1992					
AG		Folkman et al, "A Heparin-Binding Angiogenic Protein-Basic Fibroblast Growth Factor-Is Stored Within Basement Membrane", <i>Am. J. Path.</i> , 130(2):393-400, 1988					
AH		Folkman et al, "Angiogenic Factors", <i>Science</i> , 235:442-447, 1987					
AI		Gitay-Goren et al, "The Binding of Vascular Endothelial Growth Factor to its Receptors is Dependent on Cell Surface-Associated Heparin-Like Molecules", <i>J. Biol. Chem.</i> , 267(8):6093-6098, 1992					
AJ		Ishai-Michaeli et al, "Importance of Size and Sulfation of Heparin in Release of Basic Fibroblast Growth Factor from the Vascular Endothelium and Extracellular Matrix", <i>Biochemistry</i> , 31:2080-2088, 1992					
AK		Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological Processes", <i>Physiological Rev</i> , 71(2):481-539, 1991					
AL		Kjell��n et al, "Proteoglycans: Structures and Interactions", <i>Annu Rev Biochem</i> , 60:443-475, 1991					
AM		Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Laboratory Investigation</i> , 49(6):636-647, 1983					
AN		Matzner et al, "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by a Readily Released Heparanase from Human Neutrophils", <i>J. Clin Invest</i> , 76:1306-1313					
AO	mmr	Mollinedo et al, "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes: Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochem J.</i> , 327:917-923, 1997					
EXAMINER				DATE CONSIDERED			
mmr				11/20/00			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				Applicant: Maty AYAL-HERSHKOVITZ et al			
				Filing Date: March 2, 1999		Group Art Unit 1652	
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
							YES NO
BB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, E.c.)							
BCC	mm	Narindrasorasak et al, "High Affinity Interactions between the Alzheimer's β -Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", <i>J Biol Chem</i> , 266(20):12878-12883, 1991					
BD		Nakajima et al, "Heparanases and Tumor Metastasis", <i>J Cellular Biochem</i> , 30:157-167, 1988					
BE		Ornitz et al, "FGF Binding and FGF Receptor Activation by Synthetic Heparin-Derived Di- and Trisaccharides", <i>Science</i> , 268:432-436, 1995					
BF		Rapraeger et al, "Requirement of Heparan Sulfate for bFGF-Mediated Fibroblast Growth and Myoblast Differentiation", <i>Science</i> , 252:1707-1709, 1991					
BG		Vlodasky et al, "Lymphoma Cell Mediated Degradation of Sulfated Proteoglycans in the Subendothelial Extracellular Matrix: Relationship to Tumor Cell Metastasis", <i>Cancer Res.</i> , 43: 2704-2711, 1983					
BH		Vlodavsky et al, "Involvement of Heparanase in Tumor Metastasis and Angiogenesis", <i>Israel J. Med Sci</i> , 24:464-470, 1988					
BI		Zhong-Sheng et al, "Role of Heparan Sulfate Proteoglycans in the Binding and Uptake of Apolipoprotein E-Enriched Remnant Lipoproteins by Cultured Cells", <i>J Biolog Chem</i> , 268(4):10160-10167, 1993					
BJ		Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", <i>Molecular and Cellular Aspects of Basement Membranes</i> , Academic Press, Inc. 1993, pp 327-342					
BK	mm	Wight, TN, "Cell Biology of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9:1-21, 1989					
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EXAMINER				DATE CONSIDERED 11/20/00			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 1009; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Atty. Docket No.
910/26Application No.
09/487,716INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Maty AYAL-HERSHKOVITZ et alFiling Date:
January 19, 2000

Group Art Unit

MAY 25 2000

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
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AC	<i>mm</i>	Burgess et al, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu Rev Biochem</i> , 58:575-606, 1989
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AF		Eisenberg et al, "Lipoprotein Lipase Enhances Binding of Lipoproteins to Heparan Sulfate on Cell Surface and Extracellular Matrix" <i>J. Clin. Invest.</i> 90:2013-2021, 1992
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AL		Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu Rev Biochem</i> , 60:443-475, 1991
AM		Motta et al, "Tumor Invasion and the Extracellular Matrix", <i>Laboratory Investigation</i> , 49(6):636-647, 1983
AN		Matzner et al, "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by a Readily Released Heparanase from Human Neutrophils", <i>J. Clin Invest</i> , 76:1306-1313
AO	<i>mm</i>	Mollinedo et al, "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochem J.</i> , 327:917-923, 1997

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Form PTO-1449 (Modified)

Atty. Docket No.
910/26Application No.
09/487,716

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant
Maty AYAL-HERSHKOVITZ et alFiling Date:
January 19, 2000

Group Art Unit

U.S. PATENT DOCUMENTS

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BA							

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Narindrasorasak et al, "High Affinity Interactions between the Alzheimer's β -Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", <i>J Biolog Chem</i> , 266(20):12878-12883, 1991
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BF	Rapraeger et al, "Requirement of Heparan Sulfate for bFGF-Mediated Fibroblast Growth and Myoblast Differentiation", <i>Science</i> , 252:1705-1709, 1991
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Atty. Docket No.

Application No.

09/160,037

INFORMATION DISCLOSURE CITATION
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Applicant:

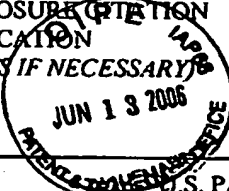
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March 2, 1999

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1643



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FOREIGN PATENT DOCUMENTS

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						YES	NO
AB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC		Murry et al, "The Extracellular Matrix", found in "Biochemistry", Chap. 57, pp 667-685
AD		✓ Selvan et al, "Heparan Sulfate in Immune Responses", <i>Ann. NY Acad. Sci.</i> , 717: 127-139, 1996
AE		✓ Wight, TN, "Cell Biology of Arterial Protoglycans", <i>Arteriosclerosis</i> , 9: 1-20, 1989
AF		✓ Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 12: 112-127, 1992
AG		✓ Nakajima et al, "Heparanases and Tumor Metastasis", <i>J. Cell Biochem.</i> , 36(2): 157-167, 1988
AH		✓ Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion Metastasis</i> , 14: 290-302, 1994-5
AI		✓ Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991
		✓ Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", <i>Cell. Molec. Aspects</i> , 1993, Academic Press, Inc. Pp 327-343
AK		✓ Thunberg et al, "The Molecular Size of the Antithrombin-Binding Sequence in Heparin", <i>FEBS Lett.</i> , 117(1): 203-206, 1980
AL		Prockop, DJ, "Marrow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", <i>Science</i> , 276: 71-74, 1997; Kriegl et al, "Microglia: The Effector cell for reconstitution of the Central Nervous System Following Bone Marrow Transplantation for Lysosomal and Peroxisomal Storage Diseases", <i>Cell Transplant.</i> , 4(4): 385-392, 1995 (Abstract)
AM		Lazarus et al, "Ex Vivo Expansion and Subsequent Infusion of Human Bone Marrow-Derived Stromal Progenitor Cells (Mesenchymal Progenitor cells): Implications for Therapeutic Use", <i>Bone Marrow Transplantation</i> , 16: 557-564, 1995
AN		Robey et al, "Biochemical Characterization of Marrow Stromal Fibroblasts", <i>6th Int'l. Conf. On Molec. Biol. And Pathology of Matrix, Session IV</i> ,
AO		

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Oron YACOBY-ZEEVI et alFiling Date:
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1643

U.S. PATENT DOCUMENTS

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						YES	NO
BB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	Pomahac et al, "Tissue Engineering of Skin", <i>Crit Rev Oral Biol Med</i> , 9(3): 313-344, 1998 (abstract)
BD	Benathan et al, "Living Epidermal and Dermal Substitutes for Treatment of Severely Burned Patients", <i>Rev Med Suisse Romande</i> , 118(2): 149-153, 1998 (Abstract- art in French)
BE	Wang et al, Basic Fibroblast Growth Factor Enhances Bone-Graft Incorporation: Dose and Time Dependence in Rats", <i>J. Orthop Res</i> , 14(2): 316-23, 1996 (abstract)
BF	Duffy et al, "Maximizing Flap Survival in a Prefabrication Model Using Exogenous and Endogenous bFGF: A New Approach", <i>Microsurgery</i> , 17(4): 176-179, 1996 (abstract)
EG	Gamer WL, "Epidermal Regulation of Dermal Fibroblast Activity", <i>Plast Reconstr Surg</i> , 102(1): 135-139, 1998 (abstract)
EH	Raghunath et al, Cultured Epithelial Autografts: Diving from Surgery into Matrix Biology", <i>Pediatr Surg Int</i> , 12(7): 478-483, 1997 (abstract)
BI	Myers et al, "Transplantation of Keratinocytes in the Treatment of Wounds", <i>Am J Surg</i> , 170(1): 75-83, 1995 (abstract)
ES	Kawaja et al, "Employment of Fibroblasts for Gene Transfer: Applications for Grafting into the Central Nervous System", <i>Genet Eng (NY)</i> , 13: 205-220, 1991 (abstract)
EK	Maillard et al, Pre-Treatment with Elastase Improves the Efficiency of Percutaneous Adenovirus-Mediated Gene Transfer to the Arterial Media", <i>Gene Therapy</i> , 5: 1023-1030, 1998
EL	Wang, JS, "Basic Fibroblast Growth Factor for Stimulation of Bone Formation in Osteoinductive or Conductive Implants", <i>Acta Orthop Scand Suppl</i> , 269: 1-33, 1996 (abstract)
BM	Wang, JS, "Basic Fibroblast Growth Factor Infused at Different Times During Bone Graft Incorporation. Titanium Chamber Study in Rats", <i>Acta Orthop Scand</i> , 67(3): 229-236, 1996 (abstract)
BN	Inui et al, "Local Application of Basic Fibroblast Growth Factor Minipellet Induces the Healing of Segmental Bony Defects in Rabbits",
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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CB					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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CE	Aspenberg et al, "Stimulates Bone Formation. Bone Induction Studied in Rats", <i>Acta Orthop Scand</i> , 60(4): 473-476, 1989 (abstract)
CF	Aspenberg et al, "Dose-Dependent Stimulation of Bone Induction by Basic Fibroblast Growth Factor in Rats", <i>Acta Orthop Scand</i> , 62(5): 481-484, 1991 (abstract)
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CH	Chleboun et al, "The Development and Enhancement of the Collateral Circulation in an Animal Model of Lower Limb Ischaemia", <i>Aust NZ Surg</i> , 64(3): 202-207, 1994 (abstract)
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CL	Bischof et al, "The Regulation of Endometrial and Trophoblastic Metalloproteinases During Blastocyst Implantation", <i>Contracept Fertil Sex</i> , (art in French) 22(1): 48-54, 1994 (abstract)
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CN	Abrahamsohn et al, "Implantation and Decidualization in Rodents", <i>J Exp Zoo</i> , 266(6): 603-628, 1993 (abstract)
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.

Application No.
09/250,037

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant:
Oron YACOBY-ZEEVI et alFiling Date:
March 2, 1999Group Art Unit:
1643

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	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
DA							

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
DB							

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DF	Carlone et al, "Embryonic Modulation of Basic Fibroblast Growth Factor in the Rat Uterus", <i>Biol Reprod</i> , 49(4): 653-665, 1993 (abstract)
DG	Wordinger et al, "The Immunolocalization of Basic Fibroblast Growth Factor in the Mouse Uterus During the Initial Stages of Embryo Implantation", <i>Growth Factors</i> , 11(3): 171-186, 1994 (abstract)
DH	Schultz et al, "Growth Factors in Preimplantation Mammalian Embryos", <i>Oxf Rev Reprod Biol</i> , 15: 43-81, 1993 (abstract)
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DK	
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DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Modified)		Atty. Docket No. 910/12		Application No. 09/186,200			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Tuvia PERETZ et al					
		Filing Date		Group Art Unit			
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
AB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AC		Wight et al, "The Role of Proteoglycans in Cell Adhesion, Migration and Proliferation", <i>Curr. Opin. Cell Biol.</i> , 4:793-801, 1992 20437					
AD		Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions and Role in Physiological Processes", <i>Physiol. Rev.</i> , 71:481-539, 1991 20437					
AE		Wight et al, "Cell Biology Of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9:1-20, 1989 20437					
AF		Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu. Rev. Biochem.</i> , 60: 443-475, 1991 20437					
AG		Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64: 867-869, 1991 20437					
AH		Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes and Plasma Proteins" In <i>Basement Membranes: Cellular and Molecular Aspects</i> (eds. Ruhrbach and Tirup), Academic Press, Inc., Orlando, Fla., 327-343, 1993 20437					
AI		Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion & Metastasis</i> , 12: 112-127, 1992 20437					
AJ		Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion & Metastasis</i> , 14: 290-302, 1995 20437					
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AL		Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Lab. Invest.</i> , 49: 639-649, 1983 20437					
AM		Vlodavsky et al, "Lymphoma Cell Mediated Degradation of Sulfated Proteoglycans in the Subendothelial Extracellular Matrix", <i>Cancer Res.</i> , 43: 2704-2711, 1983 20437					
AN		Vlodavsky et al, "Involvement of Heparanase in Tumor Metastasis and Angiogenesis", <i>Is. J. Med.</i> , 24: 464-470, 1988 20437					
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form FTO-1449 (Modified)			Atty. Docket No. 910/12		Application No. 05/186,200	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)			APPLICANT Tuvia PERETZ et al			
			Filing Date		Group Art Unit	
U.S. PATENT DOCUMENTS						
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS
BA						
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS
						TRANSLATION
						YES NO
BB						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
BC		Parish et al, "Evidence that Sulfated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumor Cell-Derived Heparanase", <i>Int. J. Cancer</i> , 40: 511-517, 1987 20432				
BD		Vlodavsky et al, "Morphological Appearance, Growth Behavior and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix vs. Plastic", <i>Cell</i> , 19: 607-616, 1980 20434				
BE		Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991 20435				
BF		Campbell et al, "Heparin Sulfate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Exp. Cell Res.</i> , 200: 156-167, 1992 20437				
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BH		Thunberg et al, "The Molecular Size of the Antithrombin-Binding Sequence in Heparin", <i>FEBS Lett.</i> , 117: 203-206, 1980 20440				
BI		Goldberg et al, "An Improved Method for Determining Proteoglycans synthesized by Chondrocytes in Culture", <i>Connective Tissue Res.</i> , 24: 265-275, 1990 20441				
BJ		Hudson, PJ, "Recombinant Antibody Fragment", <i>Curr. Opin. Biotech.</i> , 4: 395-400, 1998 20442				
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EXAMINER			DATE CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformation and not considered. Include a copy of this form with next communication to applicant.						

Form PTO-1449 (Modified)

Atty. Docket No.
910/12Application No.
01/186,200
**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(USE SEVERAL SHEETS IF NECESSARY)
APPLICANT
Tuvia PERETZ et al

Filing Date

Group Art Unit

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CA							
CB							
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
CH							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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CJ	✓	Danheiser, SL, "Rituxin Leads Line Of Hopeful Mab Therapies, yet FDA still has Bulk Manufacture Concerns", <i>Genetic Engineering News</i> , October, 1997, pp 1,6,33,38
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

(modified)

Atty. Docket No
910/10

Application No.
09/141,888

DISCLOSURE CITATION
ON APPLICATION
(SEVERAL SHEETS IF NECESSARY)

Applicant:
Oron YACOBY-ZEEVI

Filing Date:
August 27, 1998

Group Art Unit:
1633

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
AB	09009962 A	14/1/97	JP				

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AC	"Handbook of Microbiology", Vol. 1, 1974, pp 239-242, article by Clancy, C.I.					
AD	"Pseudomonas: biotransformations, pathogenesis, and evolving biotechnology", Eds. Silver et al. American Society for Microbiology, 1990, Chps 2, 7.					
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EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		Atty. Docket No. 910/10		Application No. 09/14,888			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Oron YACOBY-ZEEVI					
		Filing Date: August 27, 1998		Group Art Unit: 1633			
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
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EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 605: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)

Atty. Docket No.
910/10Application No.
09,140,888INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Oron YACOBY-ZEEVIFiling Date:
August 27, 1998Group Art Unit:
16:3

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CM	Moses et al, "Relative Contributions of Hyaluronic Capsule and M Protein to Virulence in a Mucoid Strain of the Group A Streptococcus", <i>Infect Immun</i> , 65(1):64-71, 1997 (Abstract)
CN	Scott et al, Visualization of an Extracellular Mucoid Layer of <i>Treponema Denticola</i> ATCC 35405 and Surface Sugar Lectin Analysis of Some <i>Treponema</i> Species", <i>Oral Microbiol Immunol</i> , 12(2): 121-125, 1997 (Abstract)
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DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

49 (Modified)

Atty. Docket No.
910/8Application No.
09/113,168CITATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant
Hanna BEN ARTZI et alFiling Date:
July 10, 1998Group or Unit
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
					YES NO
AB					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC		Wight et al, "The Role of Proteoglycans in Cell Adhesion, Migration and Proliferation", <i>Cell Biology</i> , 4: 93-801, 1992
AD		Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological processes", <i>Physiological Review</i> , 71(2):481-539, 1981
AE		Wight, T.N., "Cell Biology of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9(1):1-20, 1989
AF		Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu. Rev. Biochem.</i> , 60: 443-475, 1991
AG		Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64: 867-869, 1991
AH		Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", <i>In Basement Membranes: Cellular and Molecular Aspects</i> , (eds. Rohrbach & Timpl), p 327-343, Academic Press Inc., Orlando, Fla., 1993.
AI		Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 12:112-127, 1992
AJ		Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion Metastasis</i> , 14:290-302, 1994-95.
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AL		Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Laboratory Investigation</i> , 49(6):636-647, 1983.
AM		Vlodavsky et al, "Lymphocyte Cell-Mediated Degradation of Sulfated Proteoglycan in the Subendothelial Extracellular Matrix: Relationship to Tumor Cell Metastasis", <i>Cancer Research</i> , 43: 2704-2711, 1983
AN		Vlodavsky et al, "Involvement of Heparanase in Tumor Metastasis and Angiogenesis" <i>Isr. Med. Sci.</i> , 24: 464-470, 1983
AO		Parish et al, "Evidence That Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumour-Cell-Derived Heparanases", <i>Int. J. Cancer</i> , 40: 511-518, 1987.
AP		Vlodavsky et al, "Morphological Appearance, Growth Behavior and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix Versus Plastic", <i>Cell</i> , 19: 607-616 1980

EXAMINER

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Form PTO-1449 (Modified)

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Atty. Docket No.
910/8

Application No.
09/113,168

Applicant:
Hanna BEN ARTZI et al

Filing Date:
July 10, 1998

Group A Unit:
1652/4:57

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
BB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	<input checked="" type="checkbox"/>	Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991
BD	<input checked="" type="checkbox"/>	Campell et al, "Heparin Sulfate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Exp. Cell Res.</i> , 200: 156-167, 1992
BE	<input checked="" type="checkbox"/>	Lider et al, "Suppression of Experimental Autoimmune Diseases and Prolongation of Allograft Survival by Treatment of Animals with Low Doses of Heparin", <i>J. Clin. Invest.</i> , 83: 752-756, 1989
BF	<input checked="" type="checkbox"/>	Thunberg et al, "The Molecular Size of the Antithrombin-Binding Sequence in Heparin", <i>FEBS Letters</i> , 117(1): 203-206, 1980
BG	<input checked="" type="checkbox"/>	Sudhalter et al, "Importance of Size, Sulfation and Anticoagulant Activity in the Potentiation of Acidic Fibroblast Growth Factor by Heparin", <i>J. Biol. Chem.</i> , 254(12): 6892-6897, 1989
BH	<input checked="" type="checkbox"/>	Ishai-Michaeli et al, "Importance of Size and Sulfation of Heparin in Release of Basic Fibroblast Growth Factor from the Vascular Endothelium and Extracellular Matrix", <i>Biochemistry</i> , 31: 2080-2088, 1992
BI	<input checked="" type="checkbox"/>	Inoue et al, "Selective α -Desulfation of Heparin with Dimethyl Sulfoxide Containing Water or Methanol", <i>Carbohydrate Research</i> , 46:67-95, 1976
BJ	<input checked="" type="checkbox"/>	Nagasawa et al, "Solvolytic Desulfation of Glycosaminoglycuronan Sulfates With Dimethyl Sulfoxide Containing Water or Methanol", <i>Carbohydrate Research</i> , 58: 47-55, 1977
BK	<input checked="" type="checkbox"/>	Matia Bar-New et al, "Inhibition of Heparanase-Mediated Degradation of Extracellular Matrix Heparin Sulfate by Non-Anticoagulant Heparin Species", <i>Blood</i> , 70(2): 551-557, 1987
BL	<input checked="" type="checkbox"/>	Gospodarowicz et al, "Stimulation of Corneal Endothelial Cell Proliferation <i>in vitro</i> by Fibroblast and Epidermal Growth Factors", <i>Exp. Eye Res.</i> , 25: 75-89, 1977
BM	<input checked="" type="checkbox"/>	Haimovits-Friedman et al, "Activation of Platelet Heparitinase by Tumor Cell-Derived Factors", <i>Blood</i> , 78: 789-796, 1991.
BN	<input checked="" type="checkbox"/>	Vlodavsky et al, "Extracellular Matrix-Resident Growth Factors and Enzymes: Possible Involvement in Tumor Metastasis and Angiogenesis", <i>Cancer and Metastasis Rev.</i> , 9: 203-226, 1990

EXAMINER

DATE CONSIDERED 30 Sep 99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		Atty. Docket No. 910/8		Application No. 09/113,158	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant Hanna BEN ARTZI et al			
		Filing Date: July 10, 1998		Group Art Unit 1652/69	
U.S. PATENT DOCUMENTS					
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS
CA					
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
CC		Regan et al, "Mimicry of Biological Macromolecules by Polyaromatic Anionic Compounds", <i>J. Bioactive and Compatible Polymers</i> , 8: 317-337, 1993			
CD		Benezra et al, "Antiproliferative Activity to Vascular Smooth Muscle Cells and Receptor Binding of Heparin-Mimicking Polyaromatic Anionic Compounds", <i>Arteriosclerosis and Thrombosis</i> , 14(12): 1992-1999, 1993			
CE		Katz et al, "Antiproliferative Activity to Glomerular Mesangial Cells and Receptor Binding of a Heparin-Mimicking Polyaromatic Anionic Compound", <i>J. Amer. Soc. Nephrology</i> , 1638-1697, 1997			
CF		Miao et al, "Modulation of Fibroblast Growth Factor-2 Receptor Binding, Dimerization, Signaling, and Angiogenic Activity by a Synthetic Heparin-Mimicking Polyaromatic Compound", <i>J. Clin. Invest.</i> , 99(7): 1565-1575, 1997			
CG		Benezra et al, "Reversal of Fibroblast Growth Factor-mediated Autocrine Cell Transformation by Aromatic Anionic Compounds" <i>Cancer Research</i> , 52:5656-5662, 1992.			
CH		Irimura et al, "Chemically Modified Heparins as Inhibitors of Heparan Sulfate Specific Endo- β -glucuronidase (Heparanase) of Metastatic melanoma Cells", <i>Biochemistry</i> , 25: 5322-5328, 1986			
CI		Coombe et al, "Analysis of the Inhibition of Tumour Metastasis by Sulphated Polysaccharides", <i>Int. J. Cancer</i> , 39: 82-88, 1987.			
CJ		Ornitz et al, "Heparin is Required for Cell-Free Binding of Basic Fibroblast Growth Factor to a Soluble Receptor and for Mitogenesis in Whole Cells", <i>Molecular and Cellular Biology</i> , 12: 240-247, 1992			
CK		Yayon et al, "Cell Surface, Heparin-like Molecules are Required for Binding of Basic Fibroblast Growth Factor to its High Affinity Receptor", <i>Cell</i> , 64: 841-848, 1991.			
CL		Aviezer et al, "Differential Structural Requirements of Heparin and Heparan Sulfate Proteoglycans That Promote Binding of Basic Fibroblast Growth Factor to its Receptor", <i>J. Biol. Chem.</i> , 269(1):114-121, 1994.			
CM		Bartlett et al, "Comparative Analysis of the Ability of Leucocytes, Endothelial Cells, and Platelets to Degrade the Subendothelial Basement Membrane: Evidence for Cytokine Dependence and Detection of a Novel Sulfatase", <i>Immunology and Cell Biol.</i> , 73: 113-124, 1995.			
CN					
EXAMINER		DATE CONSIDERED			
J. P. Weber		30 Sep 99			
EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449 (Modified)		Atty. Docket No. 910/8		Application No. 09/113,158			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Hanna BEN ARTZI et al					
		Filing Date: July 10, 1998		Group Art Unit 1652-1655			
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
DA							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
DB		Nakajima et al, "A Solid-Phase Substrate of Heparanase: Its Application to Assay of Human Melanoma for Heparan Sulfate Degradative Activity", <i>Analytical Biochemistry</i> , 157: 162-171, 1986.					
DC		Oosta et al, "Purification and Properties of Human Platelet Heparanase", <i>J. Biol. Chem.</i> , 257(19): 11249-11255, 1982.					
DD		Sewell et al, "Human Mononuclear Cells Contain an Endoglycosidase Specific for Heparan Sulfate Glycosaminoglycan Demonstrable with the Use of a Specific Solid-Phase Metabolically Radiolabelled Substrate", <i>Biochem J.</i> , 264: 777-783, 1989.					
DE		Freeman et al, "A Rapid Quantitative Assay for the Detection of Mammalian Heparanase Activity", <i>Biochem J.</i> , 325: 229-237, 1997.					
DF		Mullings et al, "New Reducing Sugar Assay for the Study of Cellulases", <i>Enzyme Microb. Technol.</i> , 6:491-496, 1984.					
DG		Taylor et al, "A colorimetric Method for the Quantitation of Uronic Acids and a Specific Assay for Galacturonic Acid", <i>Analytical Biochemistry</i> , 201: 190-196, 1992.					
DH		Linhardt, R.J., "Large Electrophoresis of Oligosaccharides", <i>Methods in Enzymology</i> , 230: 265-280, 1994.					
DI		Basu et al, "Analysis of Glycosphingolipids by Fluorophore-Assisted Carbohydrate Electrophoresis Using Ceramide Glycanase from <i>Morone saxatilis</i> ", <i>Analytical Biochemistry</i> , 222: 271-274, 1994.					
DJ		Jackson, P., "The Use of Polyacrylamide-gel Electrophoresis for the High-Resolution of Separation of Reducing Saccharides Labelled with the Fluorophore 8-aminonaphthalene-1,3,6-trisulphonic Acid", <i>Biochem J.</i> , 270: 705-713, 1990.					
DK		Coquet et al, "Applications of a Post-column Fluorogenic Reaction in Liquid Chromatography for the Determination of Glucose and Fructose in Biological Matrices", <i>Analytica Chimica Acta</i> , 252: 173-179, 1991.					
DL		DeVouge et al, "Immunoselection of GRP94/Endoplasmic Reticulum Protein From a KNRK Cell-Specific λ gt11 Library Using Antibodies Directed Against a Putative Heparanase Amino-Terminal Peptide", <i>Int. J. Cancer</i> , 56: 286-294, 1994.					
DM		Zsolnai et al, "Directional Immobilization of Heparin onto the Nonporous Surface of Polystyrene Microplates", <i>Biotechniques</i> , 23(3): 382-385, 1997.					
DN		Bellott et al, "Closing the Loop in Combinatorial Chemistry", <i>European Pharmaceutical Contractor</i> , Aug., 1997.					
DO		Goldberg et al, "An Improved Method for Determining Proteoglycans Synthesized by Chondrocytes in Culture", <i>Live Tissue Research</i> , 24: 265-275, 1990.					
EXAMINER		DATE CONSIDERED					
Don P. Weber		30 Sep 98					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



Form PTO-1449 (Modified)

AUG 07 1998

Atty. Docket No.
910/4Application No.
09/046,475INFORMATION DISCLOSURE
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Oron Yacoby ZEEVIFiling Date:
March 25, 1998Group Art Unit:
1652

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							
AB							
AC							
AD							AUG 10 1998

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AE								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AF	RP	Allen, E.D., "Opportunities for the Use Aerosolized α_1 - Antitrypsin for the Treatment of Cystic Fibrosis", <i>Chest</i> , 110: 256S - 260S, 1996						
AG	RP	Konstan et al, "Current Understanding of the Inflammatory Process in Cystic Fibrosis", <i>Pediatric Pulmonology</i> , 24:137-142, 1997						
AH	RP	Dasgupta et al, "Reduction in Viscoelasticity in Cystic Fibrosis Sputum <i>In Vitro</i> Using Combined Treatment with Nacystelyn and mDNase", <i>Pediatric Pulmonology</i> , 22:161-166, 1996						
AI	RP	Crystal, R.G., Gene Therapy Strategies for Pulmonary Disease", <i>Am. J. Medicine</i> , 92(supp 64): 6A-44S - 6A-52S (June 1992)						
AJ	RP	Lieberman, J., "The Appropriate Use of Mucolytic Agents", <i>Am. J. Medicine</i> , 49(1): 1-4, 1970						
AK	RP	Boat et al, "Biochemistry of Airway Mucus Secretions", <i>Fed Proc</i> , 39:13: 3067-3074, 1980 (Abstract)						
AL	RP	Mohapatra et al, "Alteration of Sulfation of Glycoconjugates, but not Sulfate Transport and Intracellular Inorganic Sulfate Content in Cystic Fibrosis Airway Epithelial Cells", <i>Pediatr Res</i> , 38(1): 42-45, 1995 (Abstract)						
AM	RP	Boat et al, "Increased Sulfation of Glycoconjugates by Cultured Nasal Epithelial Cells from Patients with Cystic Fibrosis", <i>J. Clin Invest.</i> , 84(1):68-72, 1989 (Abstract)						
AN	RP	Boat et al, "Epithelial Cell Dysfunction in Cystic Fibrosis: Implications for Airways Disease", <i>Acta Paediatr Scand Suppl</i> , 363:25-29, 1989						
AO	RP	Welch et al, "Complex Saccharide Metabolism in Cystic Fibrosis Fibroblasts", <i>Pediatr Res</i> , 9:698-702, 1975						
AP	RP	Schwartz et al "CpG Motifs in Bacterial DNA Cause Inflammation in the Lower Respiratory Tract", <i>J. Clin. Invest.</i> , 100(1): 68-73, 1997 (Abstract)						

EXAMINER

Rebecca Prouty

DATE CONSIDERED

7-21-99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		Atty. Docket No. 910/4		Application No. 09/046,475	
INFORMATION DISCLOSURE CITATION TO AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY) AUG 07 1998 PATENT & TRADEMARK OFFICE		Applicant Oron Yacoby ZEEVI			
		Filing Date: March 25, 1998		Group Art Unit 1652	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS
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FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS
RECEIVED AUG 10 1998 YES NO SEP 10 1998					
BC					
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
BD	RP	Hill et al, "Organ-Specific Over-Sulfation of Glycosaminoglycans and Altered Extracellular Matrix in a Mouse Model of Cystic Fibrosis", <i>Biochem Mol Med</i> , 62(1): 113-122, 1997 (Abstract)			
BE	RP	"Harper's Biochemistry", 24th Ed. Pp 660-685			
BF	RP	Chase et al, "Respiratory Mucous Secretions in Patients with Cystic Fibrosis: Relationship Between Levels of Highly Sulfated Mucin Component and Severity of the Disease", <i>Clinica Chimica Acta</i> , 132: 143-155, 1983			
BG	RP	Schwab et al, "Increased Adherence of <i>Staphylococcus Aureus</i> From Cystic Fibrosis Lungs to Airway Epithelial Cells", <i>Am Rev Respir</i> , 148(7): 365-369, 1993 (Abstract)			
BH	RP	Barghouthi et al, "Nonopsonic Phagocytosis of <i>Pseudomonas Aeruginosa</i> Requires Facilitated Transport of D-Glucose by Macrophages", <i>J. Immunol.</i> , 154(7): 3420-3428, 1995 (Abstract)			
BI	RP	Moser et al, "Chronic <i>Pseudomonas Aeruginosa</i> Lung Infection is more Severe in Th2 Responding BALB/c Mice compared to Th1 Responding C3H/HeN Mice", <i>APMIS</i> , 105(11): 838-842, 1997 (Abstract)			
BJ	RP	Cowley et al, "Mucociliary Clearance in Cystic Fibrosis Knockout Mice Infected with <i>Pseudomonas Aeruginosa</i> ", <i>Eur Respir</i> , 10(10): 2312-2318, 1997 (Abstract)			
BK	RP	Zahm et al, "Early Alterations in Airway Mucociliary Clearance and Inflammation of the Lamina Propria in CF Mice", <i>Am J Physiol</i> , 272(3 Pt 1): C853-C859, 1997 (Abstract)			
BL	RP	Pier et al, "Cystic Fibrosis Transmembrane Conductance Regulator is an Epithelial Cell Receptor for Clearance of <i>Pseudomonas Aeruginosa</i> From the Lung", <i>Proc Natl Acad Sci USA</i> , 94(22): 12088-12093, 1997			
BM	RP	Selvan et al, "Heparan Sulfate in Immune Responses", <i>An. NY Acad. Sci.</i> , 797: 127-139, 1996			
BN	RP	Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 12:112-127, 1992			
BO	RP	Nakajima et al, "Heparanases and Tumor Metastasis", <i>J. Cell Biochem.</i> , 36(2): 157-167, 1988			
EXAMINER		DATE CONSIDERED			
Rebecca Prouty		7-21-99			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449 (Modified)

Atty. Docket No.
910/4

Application No.
09/046,475

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant
Oron Yacoby ZEEVI

Filing Date:
March 25, 1998

Group Art Unit
1652

AUG 07 1998

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
					YES NO
CB					

AUG 10 1998

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	RP	Thompson et al, "Identification of Chondroitin Sulfate E in Human Lung Mast Cells", <i>J. Immunol.</i> , 140(8): 2708-2713, 1988 (Abstract)
CD	RP	Giuffre et al, "Monocyte Adhesion to Activated Aortic Endothelium: Role of L-Selectin and Heparan Sulfate Proteoglycans", <i>J Cell Biol</i> , 136(4): 945-956, 1997 (Abstract)
CE	RP	Shimada et al, "Involvement of Cell Surface Heparin Sulfate in the Binding of Lipoprotein Lipase to Cultured Bovine Endothelial Cells", <i>J Clinical Invest</i> , 68(4): 995-1002, 1981 (Abstract)
CF	RP	Rahmouni et al, "Chondroitin Sulfate in Sputum from Patients with Cystic Fibrosis and Chronic Bronchitis", <i>Am J Resp Cell & Mol Biol</i> , 5(4): 313-320, 1991
CG	RP	Nossuli et al, "Heparinase III Exerts Endothelial and Cardioprotective Effects in Feline Myocardial Ischemia-Reperfusion Injury", <i>J. Pharm Exp Ther</i> , 283(3): 1032-1038, 1997 (Abstract)
CH	RP	Yamaguchi et al, "Neutrophil Elastase Inhibitor Reduces Neutrophil Chemoattractant Production After Ischemia-Reperfusion in Rat Liver", <i>Gastroenterology</i> , 112(2): 551-560, 1997 (Abstract)
CI	RP	Matgolie et al, "Identification of a Major Heparin-Precipitable Protein in Human Serum and its Relationship to Cystic Fibrosis", <i>Pediatr Res</i> , 16(3): 181-186, 1982 (Abstract)
CJ	RP	Leong et al, "Different Classes of Proteoglycans Contribute to the Attachment of <i>Borrelia burgdorferi</i> to Cultured Endothelial and Brain Cells", <i>Infect Immun</i> , 66(3): 994-999, 1998 (Abstract)
CK	RP	Asagoe et al, "Effect of Heparin on Infection of Cells by Equine Arteritis Virus", <i>J Vet Med Sci</i> , 59(8): 727-728, 1997 (Abstract)
CL	RP	Krusat et al, "Heparin-Dependent Attachment of Respiratory Syncytial Virus (RSV) to Host Cells", <i>Arch Virol</i> , 142(6): 1247-1254, 1997 (Abstract)
CM	RP	Alvarez-Dominguez et al, "Host Cell Heparan Sulfate Proteoglycans Mediate Attachment and Entry of <i>Listeria monocytogenes</i> , and the Listerial Surface Protein ActA is Involved in Heparan Sulfate Receptor Recognition", <i>Infection & Immunity</i> , 65(1): 78-88, 1997, (ABSTRACT)
CN	RP	Hagwara et al, "Inhibitory Effect of Heparin on Red Blood Cell Invasion by <i>Theileria Sargenti</i> Microzoites", <i>Int J Parasitol</i> , 27(5): 535-539 (Abstract) 1997
CO		
CP		

EXAMINER Rebecca Parity

DATE CONSIDERED 7-21-99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		Atty. Docket No. 910/4		Application No. 09/046,475	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant Oron Yacoby ZEEVI			
		Filing Date: March 25, 1998		Group Art Unit: 1652	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS
DA					
FOREIGN PATENT DOCUMENTS					
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
					YES NO
DB					
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
DC	RP	Shakibaei et al, "Dual Interaction of the Malaria Circumsporozoite Protein with the Low Density Lipoprotein Receptor-Related Protein (LRP) and Heparan Sulfate Proteoglycans", <i>J Exp Med</i> , 184(5): 1699-1711, 1996 (Abstract)			
DD	RP	Inaba et al, "Effect of Heparinon Infection of Cells by Porcine Reproductive and Respiratory Syndrome Virus", <i>Am J Vet Res</i> , 58(5):488-491, 1997 (Abstract)			
DE	RP	Chen et al, "Dengue Virus Infectivity Depends on Envelope Protein Bin to Target Cell Heparan Sulfate", <i>Nature Medicine</i> , 3(8): 866-871, 1997			
DF	RP	Gantt et al, "Cell Adhesion to a Motif Shared by the Malaria Circumsporozoite Protein and Thrombospondin is Mediated by its Glycosaminoglycan-Binding Region and not by CSVTCG", <i>J Biol Chem</i> , 272(31): 19205-19213, 1997 (Abstract)			
DG	RP	Robert et al, "Chondroitin-4-Sulphate (Proteoglycan), a receptor for Plasmodium falciparum-Infected Erythrocyte Adherence on Brain Microvascular Endothelial Cells", <i>Res Immunol</i> , 146(6): 383-93, 1995. (Abstract)			
DH	RP	Herrera et al, "Mediation of Trypanosoma Cruzi Invasion by Heparan Sulfate Receptors on Host Cells and Penetrin Counter-Receptors on the Trypanosomes", <i>Mol & Biochem Parasit</i> , 65: 73-83, 1994			
DI					
DJ					
DK					
DL					
DM					
CN					
CO					
CP					
EXAMINER		DATE CONSIDERED			
Rebecca Pouty		7-2199			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449 (Modified)

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Atty. Docket No.
910/1

Application No.
08/922,170

Applicant:
Iris PECKER et al

Filing Date:
September 2, 1997

Group A (1)

RECEIVED
GROUP 1998

1644

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE
AA	RP MD	5,362,641	Nov 94	Fuks et al	435 209	—
AB	RP MD	5,571,506	Nov 96	Regan et al	424 78.17	—
AC						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
AD	RP MD WO 9504518	Jul 94	PCT	—	—		
AE							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AF	MD RP	Goshen et al, "Purification and Characterization of Placental Heparanase and its Expression by Cultured Cytotrophoblasts", <i>Molecular Human Reproduction</i> , 2(9): 679-684, 1996
AG	RP MD	Bar-Ner et al, "Inhibition of Heparanase-Mediated Degradation of Extracellular Matrix Heparan Sulphate by Non-anticoagulant Heparin Species", <i>Blood</i> , 70(2): 551-557, 1987
AH	RP MD	Savitsky et al, "Ataxia-Telangiectasia: Structural Diversity of Untranslated Sequences Suggests Complex Post-Transcriptional Regulation of ATM Gene Expression", <i>Nucleic Acids Research</i> , 25(9): 1678-1684 (1997)
AI	RP MD	Haimovitz-Friedman et al, "Activation of Platelet Heparanase by Tumor Cell Derived Factors", <i>Blood</i> , 78: 789-796, 1991
AJ	RP MD	Gospodarowicz et al, "Stimulation of Corneal Endothelial Cell Proliferation <i>in vitro</i> by Fibroblast and Epidermal Growth Factors", <i>Exp. Eye Res.</i> , 25: 75-89, 1977
AK	RP MD	Ernst et al, "Enzymatic degradation of Glycosaminoglycans", <i>Crit. Rev. In Biochem. & Molec. Biology</i> , 30(5): 387-444, 1995
AL	MD RP	Zhong-Sheng et al, "Role of Heparan Sulfate Proteoglycans in the Binding and Uptake of Apolipoprotein E-enriched Remnant Lipoproteins by Cultured Cells", <i>J. Biol. Chem.</i> , 268(14): 10160-10167, 1993
AM	RP MD	R. Ross, "The Pathogenesis of Atherosclerosis: A Perspective for the 1990s", <i>Nature</i> , 362: 801-809, (1993)
AN	RP MD	1993 Putnak et al, "A Putative Cellular Receptor for Dengue Viruses", <i>Nature Medicine</i> , 3(8): 828-829, 1997
AO	RP MD	Cordon-Cardo et al, "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", <i>Laboratory Investigation</i> , 63(6): 832-840, 1990

EXAMINER Marianne D'Amico / Rebecca Frisby DATE CONSIDERED 7-24-11/03/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		Atty. Docket No. 910/1		Application No. 08/922 170			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Iris PECKER et al		REC FEB GROUP 4 1652-7068 1800			
		Filing Date: September 2, 1997					
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
BB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
BC	MD RP	Narindrasorasak et al, "High Affinity Interactions between the Alzheimer's β -Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", <i>J. Biol. Chem.</i> , 266(20): 12878-12883, 1991					
BD	MD RP	Chen et al, "Dengue Virus Infectivity Depends on Envelope Protein Binding to Target Cell Heparan Sulfate", <i>Nature Medicine</i> , 3(8): 866-871, 1997					
BE	MD RP	Shieh et al, "Cell Surface Receptors for Herpes Simplex Virus are Heparan Sulfate Proteoglycan Proteoglycans", <i>J. Cell Biol.</i> , 116(5): 1273-1281, 1992					
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BL	MD RP	Spivak-Kroizman et al, "Heparin-Induced Oligomerization of FGF Molecules is Responsible for FGF Receptor Dimerization, Activation, and Cell Proliferation", <i>Cell</i> , 79: 1015-1024, 1994					
BM	MD RP	Yayon et al, "Cell Surface Heparin-Like Molecules are required for Binding of Basic Fibroblast Growth Factor to its High Affinity Receptor", <i>Cell</i> , 64: 841-848, 1991					
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EXAMINER		Marianne DiBrino/ Rebecca Prady			DATE CONSIDERED 7-21-18 11/03/2006		
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Atty. Docket No.
910/1

Applicant
08/922, 770

Applicant:
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Filing Date:
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
CB								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC		Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasm a Proteins", Basic Membranes: Cellular and Molecular Aspects (eds. Rohrbach & Timpl) pp 327-343, Academic Press, Orlando, Fla., 1993						
CD	RP MD	Vlodavsky et al, "Extracellular Sequestration and release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991						
CE	RP MD	Ishai-Michaeli et al, "Heparanase Activity Expressed by Platelets, Neutrophils, and Lymphoma Cells releases Active Fibroblast Growth Factor from ExtraCellular Matrix", <i>Cell Regulation</i> , 1: 833-842, 1990						
CF	MD RP	Ishai-Michaeli et al, "Importance of Size and Sulfatation of Heparin in Release of Basic Fibroblast Growth Factor from the Vascular Endothelium and ExtraCellular Matrix", <i>Biochemistry</i> , 31(7): 2080-2088, 1992						
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CI	MD RP	Folkman et al, "Angiogenic Factors", <i>Science</i> , 235: 442-447, 1987						
CJ	RP MD	Burgess et al, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu. Rev. Biochem.</i> , 58:575-606, 1989						
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CM	RP MD	Bashkin et al, "Basic Fibroblast Growth Factor Binds to Subendothelial ExtraCellular Matrix and is Released by Heparitanase and Heparin-Like Molecules", <i>Biochemistry</i> , 28:1737-1743, 1989						
CN		Marianne DiBrino/						

EXAMINER

Rebecca Parry

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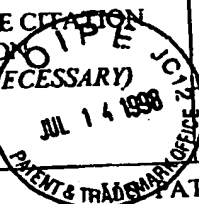
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AB								

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AC	MD MD	Wight et al, "The Role of Proteoglycans in Cell Adhesion, migration and Proliferation", <i>Current Opinion in Cell Biology</i> , 1992, 4:793-801
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AG	MD MD	Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64:867-869, 1991
AH	MD MD	Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes and Plasma Protein", in <i>Basement Membranes: Cellular and Molecular Aspects</i> (eds. Rohrbach et al) pp 327-343, Academic Press Inc., Orlando, Fla.
AI	MD MD	Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion & Metastasis</i> , 12: 112-127, 1992
AJ	MD MD	Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion & Metastasis</i> , 14: 290-302, 1993
AK	MD MD	Nakajima et al, "Heparanase and Tumor Metastasis", <i>J. Cell. Biochem.</i> , 36: 157-167, 1988
AL	MD MD	Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Lab. Invest.</i> , 49: 636-646, 1983
AM	MD MD	Vlodavsky et al, "Lymphoma Cell Mediated Degradation of Sulfated Proteoglycans in the Subendothelial Extracellular Matrix: Relationship to Tumor Cell Metastasis", <i>Cancer Res.</i> , 43: 2704-2711, 1983
AN	MD MD	Parish et al, "Evidence that Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumor cell-Derived Heparanase", <i>Int. J. Cancer</i> , 40: 511-518, 1987
AO	MD MD	Vlodavsky et al, "Morphological Appearance, Growth behavior and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix vs. Plastic", <i>Cell</i> , 19: 607-616, 1980
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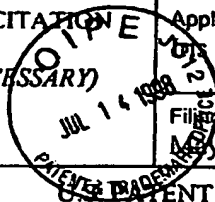
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Dr. PECKER et alFiling Date:
May 1, 1998

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
					YES NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	NO	Gospodarowicz et al, "Permissive Effect of the Extracellular Matrix on Cell Proliferation <i>in-vitro</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 77:4094-4098, 1980
BD	NO	Burgess et al, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu. Rev. Biochem.</i> , 58: 575-606, 1989
BE	NO	Folkman et al, "Angiogenic Factors", <i>Science</i> , 233: 442-447, 1987
BF	NO	Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: a Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 822-846, 1990
BG	NO	Ishai-Michaeli et al, "Heparanase Activity Expressed by Platelets, Neutrophils and Lymphoma Cells Releases Active Fibroblast Growth Factor from Extracellular Matrix", <i>Cell Reg.</i> , 1: 833-842, 1990
BH	NO	Campbell et al, "Heparin Sulphate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Exp. Cell Res.</i> , 200: 156-167 (1992)
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BK	NO	Gordon-Cardo et al, "Expression of Basic Fibroblast Growth Factor in Normal Human Tissue", <i>Lab. Invest.</i> , 63(6): 822-846, 1990
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BM	NO	Goshen et al, Purification and Characterization of Placental Heparanase and its Expression by Cultured Cytophoblasts", <i>Mol. Human Reprod.</i> , 2: 679-684, 1996
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BO	NO	Mollinendo et al, "Major Colocalization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochem. J.</i> , 327: 917-923, 1997

EXAMINER: Marianne DiBrino

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Manna BEN ARTZI et al

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
H								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CM	MD	De Vouge et al, "Immunoselection of GRP94/Endoplasmic Reticulum Protein From a KNRK Cell-Specific λ gt11 Library Using Antibodies Directed Against a Putative Heparanase Amino-Terminal Peptide", <i>Int. J. Cancer</i> , 56: 286-294, 1994						
CN	MD	Graham et al, "Comparison of the Heparanase Enzymes From Mouse Melanoma Cells, Mouse Macrophages, and Human Platelets", <i>Biochem. And Mol. Biol. Int.</i> , 39(3): 563-571, 1996						
CO	MD	Kosir et al, "Human Prostate Carcinoma Cells Produce Extracellular Heparanase", <i>J. Surg. Res.</i> , 67: 98-105, 1997						
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CQ	MD	Ernst et al, "Enzymatic Degradation of Glycosaminoglycans", <i>Crit. Rev. In Biochem. And Mol. Biol.</i> , 30(5): 387-444 1995						
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CR		/Marianne DiBrino/						

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